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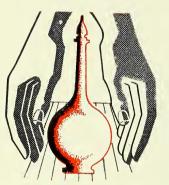
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While we were chatting, a customer came in for a proprietary. It was handed to her right away (it was on the counter); she paid 4/-, got 4d. change and the whole transaction took about 20 seconds. He continued—about prescription fees.

Let's face facts. H.M. Government don't like paying profit. When they do, they pay the least. It's right that they should be careful with taxpayers' money. No one wishes otherwise.

Whatever the basis agreed by the N.P.U. for prescription fees, the nett contained in them for the pharmacist cannot, in the nature of things, be large. The usual Civil Service approach to such matters is 'Cost Plus' and if the 'Plus' is 10% it tends to be generous, as indeed it is. On an average of 2/10d. per script this could yield about 2½d. nett to the pharmacist assuming all his costs were fully covered—including the spiralling wages for dispensing assistance (one of the

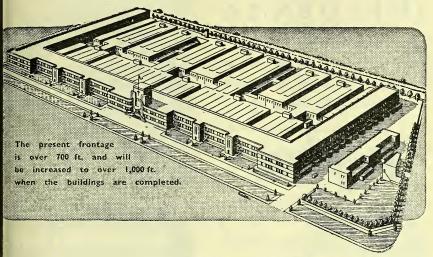
largest cost items). If the spi continues prescription fees must continually and rapidly advanced keep pace. When they lag behind t nett diminishes. Or disappears, best they could only cover actual or goings with a thin over-lay of nett rather like rolled gold.

And all on credit. Maybe the costed in, too. Or is it? Banks do give credit for nothing. They may charges when you borrow. Alternatively, funds used to settle a supplie invoice promptly can earn $2\frac{1}{2}\%$ or 3 for a few week's use.

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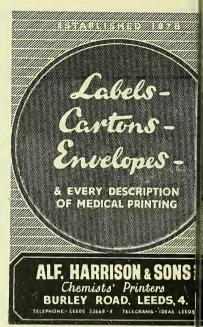
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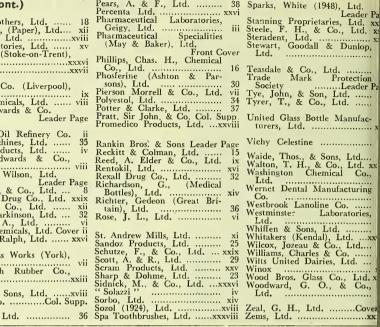
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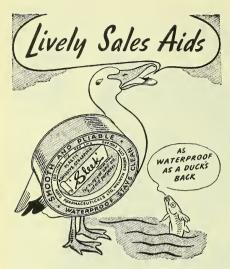
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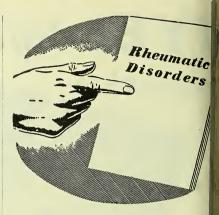
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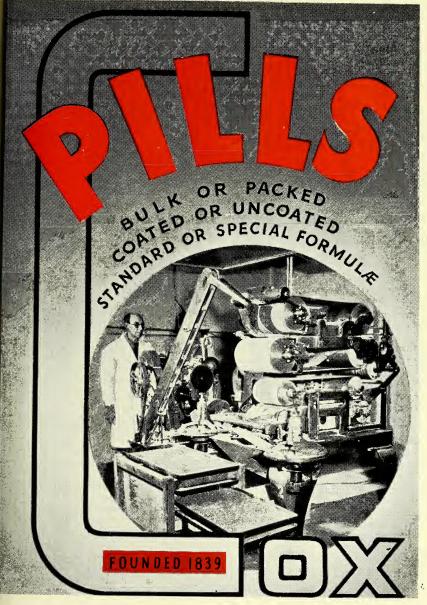
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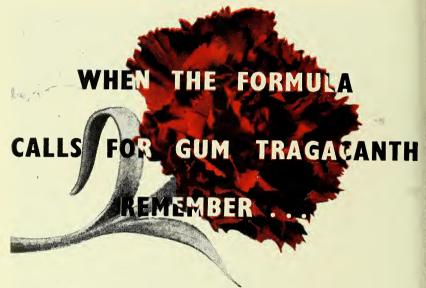
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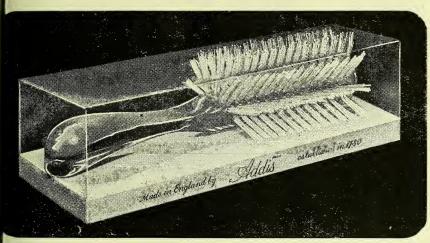
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TERE, at last, is a hairbrush specially esigned to beautify women's hair. No onder the new Addis Beauty Brush is elling so fast that production, already oubled, is being still further increased!

As thousands of women have already iscovered, the Beauty Brush brushes eeper than any hairbrush yet invented, takes even 'difficult' hair look notice-bly prettier.

This lovely new brush has a clear gemke plastic handle in a choice of three colours—pink, green or blue. And remember—the Addis Beauty Brush is a line that will keep selling the whole year round on its sheer

sound value for money. Retail price 12/6d. (incl. tax); price to you 82/6 per dozen plus purchase tax



This handsome three-brush display piece is supplied free with every order for six Addis Beauty Brushes.

Addis BEAUTY BRUSH

Designed-Packed-Priced to SELL!

ADDIS BEAUTY BRUSHES ARE MADE ONLY BY ADDIS LTD. OF HERTFORD, ESTABLISHED 1780

testimony emotional and otherwise

One can well understand a mother, who is gratified at the excellent progress being made by her baby, writing her appreciation to us. It is the emotion of deep gratitude finding expression in a letter of thanks.

But when a busy doctor or matron, despite multitudinous duties, troubles to do the same, it is indeed proof positive of professional satisfaction with "Lacta" as a Nursery Milk Food. We have many such letters from doctors, doctors' wives, matrons and nursing sisters. In no single instance has such testimony been solicited. It is entirely spontaneous.

"Lacta" which we claim to be "Next best to breast milk" is offered in two types:

LACTA Full Cream Milk Food-enriched with Vitamin D to the extent of 320 units per ounce (800 units per pint)-is for babies from birth of normal development and health.

LACTA (Special) Part Cream Milk Food-enriched with Vitamin D as above and with Soluble iron salts (iron ammonium citrate) to the extent of 1.1 milligrams of iron per ounce. This is specially prepared for delicate babies, to be used in preference to full cream only when prescribed by the doctor.

If you prescribe "Lacta" we feel confident that you will be satisfied. It is a United Dairies product and is sold only by chemists.

Prepared by Wilts United Dairies Ltd., Trowbridge, Wilts.

A Pharmacertical Achievement





-Flavouring

Magnesium Hydroxide

MAGSILATI

ASPIRIN THERAPY BROUGHT PERFECTION

CAN BE CHEWED LIKE A SWEET

No water required

- Ouicker absorption more effective acti
- No gastric disturbance.
- Fully protected against deterioration.

MAGSILATE is a CF product, and will be sold three chemists only. Introduced on highly profitable te you will receive, with your order - forceful showca informative literature, and free samples for distribution to vour customers.





PROTHRIGIN' combines the antibiotic activity of 'yrothricin, 0.02%, and the vasoconstricting ction of 'Propadrin' Hydrochloride, 1.5%, provide prompt, effective relief of nasal ongestion accompanying bacterial infections!

prothrigin is ideally suited for topical pplication to the mucous membrane of the lose and accessory sinuses... It is an isotonic suffered solution with a pH of 5.5 to 6.5... t does not impair normal intranasal physio-

logical processes and . . . it does not interfere with ciliary activity.

'PROTHRIGIN' is supplied in r-ounce bottles with dropper assembly . . . At 4/- (exempt from P. tax). Subject to 33\frac{1}{3}\% discount.

Informative literature supplied on request



incl



It is only by continuous display that you will discover just how large 'ASPRO' demand is to-day. For the 'ASPRO' public grows ever greater. 'ASPRO' is proof against any "ups and downs" in the market—changes in purchasing power, fashions or habits. The success of 'ASPRO' is reaching unique proportions simply because it is a good product which more than fulfils its claims, and which is well, widely and persistently advertised.

'ASPRO' 5'S NOW PACKED IN 6 DOZ. SHOWBOXES AGAIN

The easing of the supply position now enables us to revert to the pre-war 5's showbox of 6 dozen. At the same time we are reintroducing the pre-war minimum bonus quantities of 6 dozen 5's or 3 dozen 27's. Otherwise bonus terms remain unchanged as follows—

6 doz. 5's qualify for a

bonus of 6 packets of 5's.

3 doz. 27's qualify for a bonus of 6 packets of 27's.

Provided that I4 days' window display is given.

Bonus quantities are pro rata for larger orders. All bonus is entirely free of cost to you. The 6 packets of 5's retail at 2/- and the 6 packets of 27's at 8/6, so—

YOU GAIN OVER 32% EXTRA PROFIT WHEN YOU BUY THE TWO SIZES ON FULL WINDOW DISPLAY TERMS

P. A.T. A.

Made in Englan! by ASPRO LIMITED, TRADING ESTATE, Slough, Bucks

ASPRO



CARR'S VITAMIN B PREPARED WHEAT GERM

ROBERT GIBSON & SONS, LT

MANCHESTER & LONDON

A RICH SOURCE OF VITAMIN

Eaten as a cereal or sprinkled on other cereals, stewed fruit, etc.

ONLY FROM CHEMISTS

3/- per large (14 oz.) packet

TRADE:

27/- doz. Case of 2 doz. 54/-

Net Delivered Case 3/- returnable

FROM PRINCIPAL WHOLESALERS OR FROM THE MANUFACTURERS

CARR'S FLOUR MILLS Ltd., CARLIS

FOR TUBE

FOR TUBE SERVICE

Crompton

4ft. & 5ft. in 'Daylight', 'Warm-White' & 'Natural'
2ft. & 1½ft. in 'Warm-White' & 'Natural'

FLUORESCENT TUBES

CROMPTON PARKINSON LIMITED · CROMPTON HOUSE · ALDWYCH · LONDON, W.C.2

Telephone: CHAncery 3333.

Telegrams: Crompark, Estrand, London



"DRY-SEALING" PRO

MAXIMUM RETAIL PRICES

Bijou size - - - 3/4 (250 eggs) Small Household size 5/10 (500 eggs) Large Household size 9/2 (1,000 eggs)

THE STORAGE OF EVERY SURPLUS EGG WAS NEVER MORE IMPORTANT

The unique method of Egg Preservation. One quick dip and the eggs are perfectly preserved for twelve months or more. OTEG preserved eggs are stored in any box or basket.

OTEG is still in very short supply. Available stocks are being distributed as evenly as possible, and when normal conditions return, full distribution will be resumed.

OTEG IS SUPPLIED IN AIR-TIGHT TINS READY FOR USE Sold by Chemists, Grocers, etc.

SOZOL (1924) LTD., 2, COPTHALL BUILDINGS, LONDON, E.C.2

Telegrams: "YUSOZOL, STOCK, LONDON" Telephone: MONarch 6830



You will be asked for Rodine more than ever before. Don't have disappointed customers as well as lost profits, get a stock of this ready selling proposition now.

RODINE

THOMAS HARLEY LTD ROdine Works PERTH - SCOTLAND PAT Prison

P.A.T.A.

KLEENKIL DDT FLY & MOTH PAPERS 3

AND INSECT POWDERS

Samples and full details from:

THE KLEENKIL COMPANY
11 Kenton Gardens, Harrow, Middx.
Export Enquiries Invited

CARTONS & BOXES DE PRINTED ON PLAIN OF EVERY KIND, FOR EVERY PURPOSE PLAIN (ARTON BOX & PRINTING COLTD BRINKSWAY, STOCKPORT.

RANSPARENT BOXE

CORKS!

C. OLLEY & SONS LTD.

CAMPERDOWN STREET

LONDON, E.I

EST. 1844



TEN BOTTLES
OF STERGENE
BOUGHT NOW
WHERE ONLY ONE
WAS SOLD A
YEAR AGO



The progress of Stergene has been swift. Where it has been introduced it has become soundly established. Stergene is now a habit in most homes where it has once been tried. That is because Stergene is a good product. It will do all those cleansing jobs which are claimed for it and do them well — and it is advertised without frivolous or exaggerated statements. Thus housewives are persuaded to place contidence in Stergene — a trust which is not-misplaced. And so—Stergene makes business—good business—of cleansing.



Stergene SCIENCE IN CLEANSING

DOMESTOS LTD., COLLEGE WORKS, NEWCASTLE UPON TYNE, 6.





New 1-minute urine-sugar tablet test-**CLINITES**

EXTERNAL HEATING . SIMPLE · SPEEDY · CONVENIENT · RELIABI

HANDY POCKET-SIZE SET All essentials in this compact case

Every customer for insulin and other diabetic products w be interested in Clinitest. This one-minute tablet test has the approval of the Medical Advisory Committee of the Diabet Association. It is based on the same chemical principles as the

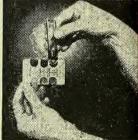
Benedict Test, but requires no extern heating. All reagents are compressed in single tablet which generates its own hea



test tube; add ten drops of water.



Place five drops of specimen in the 2. Drop in one Clinitest tablet; allow thirty seconds for reaction.



3. Compare with the colour scale.

Retail Prices

CLINITEST SET (complete) 12/-

REFILL BOTTLE (36 tablets) 4/-

Trade Discount 331 %

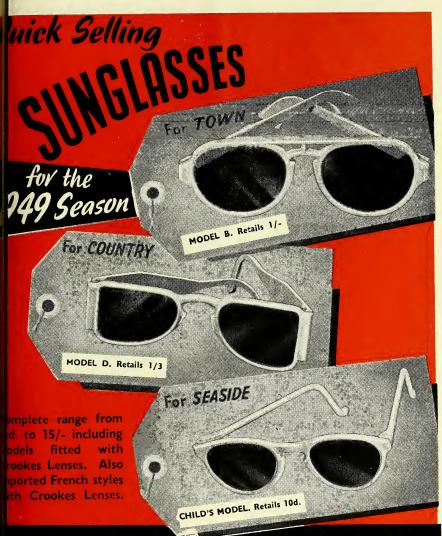
A supply of leaflets for distribution to purchasers of diabetic products will be sent with all orders.

DON S. MOMAND LTD.

Sole Distributors for The Ames Company Inc. 57 ALBANY STREET, LONDON, N.W.I. Tel: EUS 1326

RODUCT OF THE AMES COMPANY INC. OF ELKHART, IND., U.S.





end enquiries to usual wholesalers

ILFRED FRANKS & BARTLETT CO. LTD.

IUDREY HOUSE, ELY PLACE, LONDON E.C.I.

TELEPHONE HOLBORN 1078/9 (Px)



UGB

UNITED GLASS BOTTLE MANUFACTURERS LTD.

B LEICESTER STREET, W.C.2

Tel.: GERRARD 8611 (15 Lines) Grame & UNGLABOMAN, LESQUARE, LONDON





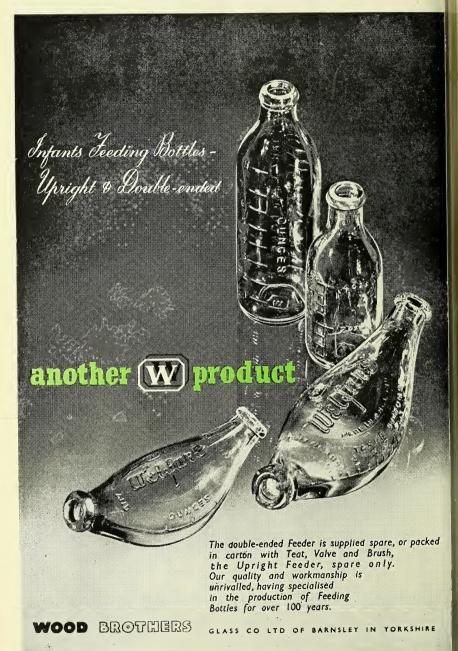
VULCANITE

Order through your wholesaler. Popular lines available today include Dressing Comb 1553 7½" (illustrated), Dressing Comb 1515 7½". Gentlemen's Comb 1131 7", Handled Comb 290 7" and Tooth Comb 611 3".

NORTH BRITISH

VULCANITE COMBS — BETTER FOR THE HAIR

HE NORTH BRITISH RUBBER COMPANY LTD. · EDINBURGH · LONDON & BRANCHES





NATIONALLY ADVERTISED

- MORE THAN 1,000,000 PACKETS SOLD PER YEAR
- CLEAN, NON-POISONOUS AND SAFE
- HARMLESS TO CHILDREN AND PETS

Display the

Order from your

Wholesaler or direct.

PACKS THAT SELL, SELL, SELL!

CRAM PRODUCTS LTD. (C.D.), Dartmouth Park Hill, London, N.W.5





ALL SIZES: COTTON AND SOLUBLE
 SINGLE TOWELS IN CARTONS

Enquiries welcomed
MORRISONS & RALPH LTD.
BARRHEAD, RENFREWSHIRE

F. H. STEELE & Co. Ltd.

Manufacturing Chemists
BLACKROCK DUBLIN

Now offer wide range of

MEDICATED PASTILLES
LOZENGES · TABLETS
CORDIALS & SQUASHES
CHEWING GUM (including
non-medicated) CHEMISTS'
CONFECTIONERY AND
TOILETRIES

Specially made and attractively packed for chemist trade only

All products of highest standard manufactured under ideal conditions

EXPORT TRADE ENQUIRIES INVITED

Phone: Dublin 83610 Grams: 'Destel, Blackrock'



PROMOL

JUNIOR MOTH RINGS

CONTAIN DEADLY D.D.T.

PROMOL MOTH RINGS JUNIOR SIZE are now doubly efficient by compounding Napthalene with Paradichlorbenzenum and D.D.T. The first two, powerful moth repellents, evaporate gradually, leaving the deadly D.D.T. as fine powder which kills insects by contact, thus giving an extra protection. Tell your customers this for SURE SALES.

Twice as efficient as before—twice as saleable. 8 rings for 4d.

Attractive red, white and blue display carton. Enquiries invited.



PROMEDICO PRODUCTS LTD., 21/22 Turie Road, London, N.4

Windows To-day need HOKON display



. and not windows alo The gleaming chromium of Hokon play Fittings, with their glistening hyg glass shelves, instantly adap to varying heights and re-arranger are an investment which will yield big dividends in goodwill and increservice.

Let us send you fullest particular these, the latest development in Dis Fittings.

CHURCH & CO (Fittings) I

available again all colours

BLACK • NAVY BLUE • NIGGER
BROWN • DARK BROWN
BROWN • NUT BROWN • BURNT
STRAW • POPPY • NATTIER BLUE
ROYAL BLUE • SAXE BLUE • ROYAL
PURPLE • PURPLE • JADE GREEN
EMERALD GREEN • HELIOTROPE
GREY • RUST • PINK • OLIVE
GREEN • MYRTLE GREEN • RUBY
OLD ROSE • PRIMROSE

"LUTON"

STRAW HAT DYES

Dull or Glossy Series

Standard size 13/6 per doz. Retail 1/6 Small size . . 10/6 per doz. Retail 1/2 Both less 5% for cash in 7 days

WHITAKER & CO (Kendal) Lto
DYE & CHEMICAL MANUFACTURERS, KENDA

This advertising is NEWS for denture-wearers

interesting, newsy facts revealed by a Steradent market survey about the proportion of people who wear dentures, whether they have plastics, full or partial sets, how they clean them, whether they wear them while sleeping—these facts are the basis of the current Steradent advertising. The campaign has outstanding interest for denture-wearers—and that means for more than half your adult customers. Each advertisement stresses the value of Steradent for cleaning plastic as well as all other types of dentures.



Steradent

Cleans and Sterilises
every type of Denture

RECKITT & COLMAN LTD · HULL & LONDON

F. SCHUTZE & Co., LTD.
ESTABLISHED 1882

For "MASTER" BRAND SURGICAL TRUSSES SUSPENSORY BANDAGES JOCK STRAPS, etc., etc.

PERFUMERY BOTTLE WICKERERS in RAFFIA or SILK, plain or fancy, wide range of designs. Own bottles wickered at moderate cost

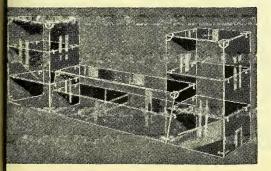
Black Bull Works, Market Road London, N.7

A NEW and PROFITABLE REMO

To retail at 2/6 per bottle, sufficient for four Treatments

Gill's DANDRUFF REMOVER SHAMPOO

METROPOLITAN DRUG CO. LTD.
35 OLD BOND STREET, LONDON, W.I



Show well with

GUPWELL DISPLAYTHINGS

Frameless Glass Cases. Can be used as separate units if desired. Upright Cases, 24" high x 18" wide x 12" deep. Centre Unit with sloping front 36" long x 14½" high x 12" deep. Other sizes to order. Write for complete catalogue.

A. J. GUPWELL (Shopfitters), LTD., 54 Bradford Street, Birmingham, 5.

We are TOTALITARIANS

ABOUT CORKS

ET'S admit it. So far as corks are concerned, we're out-and-out dictators. Regimentation, standardization—these are our watchwords. We plead guilty to our

reputa corks unbelies We ruthles us! Bo

"Want to be different, eh?"

reputation for reducing corks to a state of unbelievable uniformity.

We do it by sheer ruthlessness. Corks hate us! Boiled alive, pressed flat, shut in the dreaded "hot-box," they are then sliced and punched, tapered, sanded, notch-

ed, bleached and branded—no atrocity is spared to stamp out individuality.

Not a cork can escape; many are completely eliminated. Sometimes only 5 per cent. of a whole batch survive to become corks of our Grade A quality. If a cork is even 1/63rd of an inch too small, it is pitilessly rejected and ground into by-products.

IF YOU, too, feel totalitarian about corks, and want them, in each grade, as uniform in size and quality as skill and experience can make them—please get in touch with us by letter or telephone. Armstrong Cork Company, Ltd. (Closure Division), Kingsbury, London, N.W.9. Telephone: Colindale 7080. Scottish Branch: 5 Oswald Street, Glasgow, C.1. Telephone: Central 5703.

FREE ON REQUEST. The handy Armstrong String of Standard Cork Sizes shows at once what size you want—whether for dispensing or for ordering supplies. May we send you one?



ARMSTRONG'S CORKS

CORKS . CROWN CORKS . MOULDED CAPS

Times like these call for

INO

Winox—a British Wine with added meat and malt extract—has been recommended by doctors and nurses for over 30 years.



WINOX D. 1.

BEAUFOYS WINES LTD., KINGSTON SURREY

NOW BEING ADVERTISED TO THE PUBLIC

for the first time in this Country

Antiphlogistine



HUMAN AND VETERINARY

Extra discount on minimum order for £5.

on the

THE DENVER CHEMICAL MFG. CO.

12 Carlisle Road, London, N.W.9

FOR THE INFORMATION OF

OR BARBITURATES

The frequently reported losses of barbiturates announced by the B.B.C. are considered to be, more annual often than not, attempts by addicts to obtain additional supplies of the drug. The medical profession is therefore rightly reluctant to prescribe this drug frequently or for long periods.

The best means to stop such undesirable practice is to restrict prescriptions of barbiturates to cases which are not likely to respond to other sedatives or hypnotics.

Persomnia, a combination of two open-chain ureides - bromisovalerylurea and carbromal - has been proved by long clinical practice to be as effective as barbiturates in practically all cases in which a sedative or mild hypnotic is indicated. The preparation discloses a marked synergistic enhancement of effect as compared with the therapeutic value of the two component drugs individually employed.

·Barbiturates are closed-chain ureides

Some of the advantages of PERSOMNIA over barbiturates are the following:

- Safety in use, even in doses largely in excess of therapeutic requirements
 Not habit-forming
- No after-effects
 No effect on the normal circulation
 Minimal risk of bromism

- No cumulative action Well tolerated
- Rapid absorption and excretion Induces quiet sleep without preliminary excitement

NOTE: - Persomnia has no official B.P., B.P.C., or N.(W.)F. equivalent.

Free clinical samples and literature will be gladly sent on requi

CLINICAL PRODUCTS LTD. RICHMOND, SURREY, ENGLAND



PHARMACISTS

THIS

ANNOUNCEMENT

IS NOW

APPEARING

IN LEADING

MEDICAL AND

NURSING

IOURNALS

PRICE:

PERSOMNIA **TABLETS** 2/6 and 5/-

(including Purchase Tax)

Medical Brochures describing this preparation in detail will be gladly sent to Ms.P.S. on application to:

Medical Department

CLINICAL PRODUCTS LIMITED

Richmond, Surrey, England

For the usual attractive C.P.L. discounts and terms apply SOLE DISTRIBUTORS:

MEDICINAL PRODUCTS LTD. MOORE

England & Wales

64 GLOUCESTER PLACE, LONDON, W.1.

Welbeck 5718/9

Scotland & N. Ireland 1 QUEENS TERRACE, ABERDEEN Aberdeen 6000/1





It's a real winner!



This display will bring customers into your shop. That means increased business and more profit!

You can make an arresting show even on a $I_{\frac{1}{2}}$ foot high shelf. Look at the smaller

photograph.
Don't delay. Write to-day for your showcard
— for Display material, too (stating width
and height of display space). Advertising
for SevenSeaS this season will be stronger
than ever.

MAKE THAT ADVERTISING WORK FOR YOU

SEVENSEAS PURE COD LIVER OIL

British Cod Liver Oils (Hull & Grimsby) Ltd., St. Andrew's Dock, Hull





VICTORIA HOUSE, VICTORIA STREET, OLDHAM

"ZEMS" HERBAL LICORICE TABLETS



THE BEST MEDICATED TABLETS FOR COUGHS, COLDS, ASTHMA, BRONCHITIS, ETC.

Supplies may be obtained



from C.F. Wholesale Houses

ZEMS LTD

718-724 Seven Sisters Road, London, N.15

Compressed Tablets of:-

BUTOBARBITONE CYCLOBARBITONE HEXOBARBITONE PHENOBARBITONE

T. H. WALTON & CO LTD

MANUFACTURING CHEMISTS
Laboratories and Works BATLEY



ABLETS, PILLS, CAPSULES

British Chemotheutic Products Ltd., offer a complete range of Tablets, Pills and Capsules for dispensing under the National Health Acts. Each is the product of long manufacturing experience and strict analytical control and represents the highest attainable standards of quality and purity.

Acetomenaphthone

Allobarbitone

Amphetamine Sulph. (Racemic & Dextro)

Barbitone

Butobarbitone

Calciferol

Carbromal

Codeine Co

Cyclobarbitone

Dienoestrol

Digitalis

Ephedrine

Ethisterone

Hexoestrol Mepacrine

Methyl Thiouracil

Methyltestosteron

Nicotinamide

Nicotinic Acid

Oestrone

Phenobarbitone

Phenytoin Soluble

Quinine Salts

Quinidine

Santonin

Stilboestrol

Succinylsulphathiazol

Sulphacetamide

Sulphadiazine

Sulphaguanadine

Sulphanilamide

Sulphapyridine

Sulphathiazole

Sulphamezarine

Sulphamezathine Thiouracil

Thyroid

Glands

Vitamins, etc., etc.

BRITISH CHEMOTHEUTIC PRODUCTS LTD BRADFORD (P.O. BOX 191)

Your enquiries invited for all types of Tablets, Pills and Capsules.

d 12.

REGULAR Deliveries in A

- PROPRIETARY GOODS
- Pharmaceutical Preparations
- UISITES OILET REQ
- Dressings and Cotton
- DRUGS AND SUNDRIES

We give an efficient wholesale service, and you can rely on courteous and careful attention to your particular needs.

Co. Lt

11-12. FINSBURY SQUARE. LONDON. E.C.2. Telephone: MONARCH

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JOHN KNOX . JOHN KNOX . JOHN KNOX . DHN

A Selection from the

Range of Chemists Sundries

IAYNOX EYE DROPPERS

each in colour printed carton. Packed in attractive 3 doz. display outers 3/4 dozen

JAYNOX MEDICINE DROPPERS 3/- dozen

in similar packing

IAYNOX MEDICINE GLASSES

each in distinctive carton Engraved markings Enamelled

14/- dozen 12/- dozen

IAYNOX PLASTIC MEDICINE TUMBLERS 10/- dozen

Jaynox Works,

King Street, Stoke-on-Trent PATA John Knox (Midland) Ltd., 36/38 Dean Street, Birmingham, 5

IOHN KNOX JOHN KNOX . JOHN KNOX AN ALL COTTON WOOL PRODUCT OF REPU

Patent No. 4107 (Registered)

SUPERFINE QUALITY ALL WOOL SANITARY TOWE

LOOPED ENDS NON-ABSORBENT BACK

WHOLESALE ONLY

NHO

JOHN KNOX

KNOX

What is in Dolcin



What is the dosage

Dolcin was evolved in the U.S.A. after years of exhaustive research. The report by M. M. Szucs, M.D. (published in the Ohio State Medical Journal), on the results obtained from the administration of Dolcin in cases of Arthritis and Rheumatic disorders has led to its worldwide prescription and sales.

Comprehensive clinical tests have proved that in Dolcin's scientifically balanced combination of calcium succinate (2.8 grains) and acetylsalicylic acid (3.7 grains), the calcium succinate has a two-fold value. Firstly, it has a stimulating effect upon the cellular respiration and secondly, it obviates the toxicity of acetylsalicylic acid. Salicylates have long been considered as having very considerable value in the treatment of Rheumatic disorders, both as a vasodilator and analgesic, but their toxicity formally precluded their use in sufficiently massive dosage.

To the majority of Arthritis and Rheumatic sufferers Dolcin gives rapid and prolonged relief from pain on an initial dosage of 3 tablets 4 times daily. After the acute symptoms have subsided the dose is usually reduced to 2 tablets 4 times daily, and this smaller dosage is maintained for 3 to 4 months to minimize recurrence. Experiments and clinical tests have so clearly demonstrated the non-toxicity of Dolcin that some doctors are successfully prescribing 24 or 32 tablets per day in cases of Rheumatoid Arthritis. For children 10-15 years of age exhibiting rheumatic symptoms, half the adult dose is usually prescribed.

AVAILABLE FROM LEADING WHOLESALERS

100's RETAIL

8/- per unit plus 2/- P.T.

TRADE

72/- per dozen pius P.T. €



DOLCIN

An attractive showcard and counter literature are available on request from sole distributors:

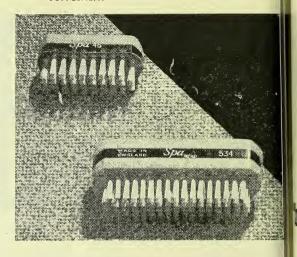
TAMPAX LTD., SALES OFFICE, 110 JERMYN STREET, LONDON, S.W.I Retail Trade supplied through Wholesalers only.



We confidently recommend the two SPA Brushes pictured here as ready sellers.

You, on your side, can recommend them to your customers with equal confidence for their reliability. The name SPA on the brush is your guarantee—and theirs.

These SPA Brushes do not linger on your shelves. They move fast. And there's a good profit for you every time one goes over the counter. Supplies are now available.



Send for Combined Business Reply Price List/Order Fc

SPA BRUSHES LTD. Freeman Works, Chesham, Bud

JACQUESIL FABRICS

LTD.

RED BANK MILLS, RADCLIFFE, Nr. MANCHESTER

makers of the famous

"DAWN"

FACE CLOTH

can now offer a range of

FACE CLOTHS
RAZOR TOWELS
and

HAND TOWELS

FOR EXPORT

-unfortunately not for Home Trade

London Representative

G. H. BOLTON, Charterhouse Chambers Charterhouse Square, E.C.I

Cradle Cap * Quickly Cleared by HIOLITE

HIOLITE clears 'Cradle Cap' in two or thre applications, It is a boon to mothers, HIOLIT formulated on sound Dermatological principles, wit it's soothing action gently and thoroughly cleanse the scalp and hair protecting against further infection Recommend HIOLITE and sales will boom. Supplie now available. Retails at 1/4½, per bottle

AVAILABLE FROM LEADING WHOLESALERS
or from the manufacturers

C. DRAPER & CO. LTD.

TWYFORD, BERKSHIRE



MANY CHEMISTS are holding back on their purchasing just now, to see what the next Budget may bring.

Chemists are, of course, wise to be careful. But it is *not* wise to let any stocks fall to a point at which you have to turn away custom. Remember, too, that I.C.C. offer extra "mixed parcel" discounts on composite orders — 10% on a £5 parcel and $12\frac{1}{2}\%$ on a £10 parcel — on top of the ordinary trade discounts. I.C.C. lines from which "mixed parcels" may be made up include: 'Anadin', 'BiSoDoL', 'Bisurated' Magnesia, 'Freezone' Preparations, 'Kolynos' Preparations, 'Pineate' Honey Cough-Syrup, etc.

INTERNATIONAL CHEMICAL CO. LTD.
CHENIES STREET, LONDON, W.C.1



Pharmacists are reminded that the sole selling agents for Serocalcin in the U.K. are J. C. Eno Ltd., Watford, Herts. (Watford 7761) to whom all orders and enquiries should be sent.

The danger season is here: that time of the year, between March and May, when the warmth of the Gulf Stream and strong rays of the sun vie with the cold winds from the north for supremacy. In the ever changing temperatures that result, colds and chills become more frequent. This is the time when SEROCALCIN is a particular aid in the prevention and treatment of the common cold. Place your orders in good time to meet the increased demand for Serocalcin.

P.A.T.A.

SEROCALCIN

FOR THE PREVENTION & TREATMENT OF COLDS

HARWOODS LABORATORIES LTD. · WATFORD · HERTS

FELAMINE

for the treatment of

HEPATO-BILIARY DISTURBANCES

Felamine Tablets contain cholic acid and hexamine without any other vegetable or mineral components. They act as a powerful choleretic and cholagogue, while exerting an antiseptic action on the biliary tract.

Particulars and samples from

SANDOZ PRODUCTS LIMITED

134 WIGMORE STREET, LONDON, W.I

THE OLDEST SPECIALISTS IN THE TRADE ... ESTABLISHED 1768



PACKED OR BULK

Our up-to-date equipment enables us to quote the lowest possible prices.

Special formulæ our speciality.
All standard, official and semiofficial products promptly
supplied.

CASTLE HUSKISSON LTD

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Everyone loves twins — but not everyone finds them profitable.

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Johnson's Baby Powder and Baby Lot you sell!

Every mother knows what a boon B Powder is after the bath—and she is discovering the miraculous advantages Baby Lotion as the quicker, cleaner a easier way to change her baby's nappies. What is Johnson's Baby Lotion? I the gentle antiseptic lubricant, first introdu in hospitals and baby clinics, that prote babies' tender skin and prevents naprash. You can recommend it with confide for sunburn, windburn, chapping and s irritations.

Be sure to tell your "baby" customers t Johnson's Baby Lotion and Baby Powers are the twin indispensables for their bab welfare. Keep them on display—and you make twin sales every time!

Johnsons.

BABY POWDER for after the bath
BABY LOTION for changing nappies

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Ribena NEWS



BOTTLES

To avoid increasing prices a new light-weight bottle is being produced. It takes approximately one ton of coal to produce one ton of glass and the new bottle uses this fuel to best advantage. It should reduce breakage in transit and handling and although not quite so tall, contains exactly as much 'Ribena' as before.



CAPS

So far, owing to the very large percentage of re-used bottles that we have had to handle, it has not been possible to guarantee the pilferproof seal, both safe in transit and easy to open when it reaches the

when it reaches the ustomer. With larger supplies of the new light-weight bottle from now forward he caps should be increasingly easy to ppen until eventually we shall be able to use all new bottles and give 100 per cent.

NOTE The changeover to our new factory is not yet complete and during the ransfer there may be some delay in delivery. Your needs have not been overlooked, however, and will be attended to as quickly as possible. In case of special shortage, due to Hospital or Clinic demand, please drop us a ine to Pharmaceutical Section (12) and we will ry to send something forward immediately.

COLOUR and FLAVOUR

The use of the new bottle coincides with the production of 'Ribena' at our new Coleford factory,



where the use of refrigerated storage for the juice provides a finished product with a fresher flavour than previously.

The darkening of the colour which occurred and which we were unable to avoid at our Bristol factories will, we feel, also be cured, retaining the natural and attractive Blackcurrant appearance. Some customers who have become accustomed to the rather heavier flavour of the matured product may prefer it, but the present flavour is actually truer to the Blackcurrant.

The sugar, juice and vitamin 'C' content of 'Ribena' is exactly as before. Every batch is tested for these factors, and the price is still controlled by the Ministry of Food.

In a line so well known and so appreciated as 'Ribena,' any slight change, even though it is for the better, may need explanation. We give you this information, therefore, hoping that it will be really useful to you.

H. W. CARTER & Co. Ltd.

The Royal Forest Factory, Coleford, Glos.

Makers of Ribena Blackeurrant Syrup

ERGOAPIOL (SMITH)

We are happy to announce that ERGOAPIOL (Smith) is once again available in unlimited quantities. It is now manufactured in England with the authority and according to the formula of the Martin H. Smith Co., and its high quality of before the War is fully maintained. The price to chemists is 57/6 plus 19/2 Purchase Tax per dozen.

THOS. CHRISTY & CO. LTD. Farnham, Surrey





Your father was a very handsome man

And a very progressive young man too. He believed there was a future in the incandescent gas mantle, morse code and the safety bicycle. Inventive days the 80's, scientific progress was gaining momentum. It was in the year 1887 that Scott's of Edinburgh launched M.O.F. — a new idea in infant feeding. M.O.F. has changed much since 1887. But the same inventiveness and progressive spirit has remained an essential part of Scott's policy. Today, Scott's of Edinburgh provide a whole range of infant foods for mixed-feeding time.

SCOTT'S BABY CEREAL

The ready-cooked baby cereal fortified with essential vitamins and minerals.

SCOTT'S M.O.F.

In use for sixty years. Contains added iron, calcium, phosphorus and vitamin D.

SCOTT'S STRAINED FOODS AND SCOTT'S BABY SOUPS

A tempting variety of fruit, fish, meat and vegetable purées which help to prepare baby's taste-sense for normal food.

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WITH WORLD-WIDE REPUTATI

The familiar Phosferine pack has won for itself an enviabl world-wide goodwill. It has only to be shown to be sold And the sales of Phosferine prove how adequately "Th Greatest of all Tonics" lives up to its claims. Make th most of the wonderful popularity of Phosferine by ensurin that your stocks are adequate to meet the demand.

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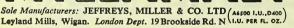
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with modern up-to-date plant for the manufacture of all types of cans ranging from ½ Pint to 2 Gallon—for all trades—Paint, Varnish, Chemicals, Fluids, Powders-large output plain or decorated to customers requirements-are now in a position to quote for all sizes with guaranteed deliveries.

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leaves hair firm and glossy.

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Bisma-Rex

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New Large Size: Regular Pack: Retail 8/3 Retail 2/8 (Great Britain & N. Ireland)

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Mag. Oxide Levis. Mag. Oxide Pond.
Mag. Trisilicate.
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thank their customers for their patience and bearance during these difficult times, and as them that every effort is being made to su quickly lines which they have previously purcha

GROUND

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MIDGLEY & PARKINSON, LT WARREN WORKS, PUDSEY, LEEDS



WIDOW WELCH'S PI

9d. BOX PROFIT by ordering I c 3/3 size. Bonus box given on dozen (13). It pays to push this C. & G. KEARSLEY L 71 Dartmouth Rd., London, S

Est. 1787

Baby Sales Talk



It takes a fond papa to understand Baby Talk-but every Chemist understands Baby Sales Talk! With the three Bristow lines -BABY POWDER, BABY SOAP and BABY CREAM - he can indulge in Baby Sales Talk with the conviction that he is selling products formulated especially to soothe and pamper baby's sensitive skin.

The name BRISTOW'S has long stood for fine quality - women know it and accept that Bristow's Products are good. They are ready, therefore, to be intensely interested in a Baby Series made by Bristow's!

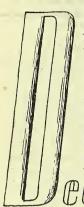
Generous profits on turnover are available to direct buyers.

A price list will be sent on request and our representative will call.

BABY SOAP **BABY POWDER BABY CREAM**

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Seen 68 million times!



• Goya's advertisements for his new 'twin' perfumes DECISION and VIBRATION, will appear from March onwards in the National Daily and Sunday Press, National Weeklies and twenty-two different Women's Magazines.

It has been estimated that these advertisements will be seen 68,000,000 times by the women readers of these carefully selected publications.
 Goya believes that DECISION and

• Goya believes that DECISION and VIBRATION are being backed with the heaviest advertising support ever given to a new perfume. • The attractive and distinctive motif of Goya's new

motif of Goya's new advertisements, repeatedly seen by millions of women, will immediately create a strong demand for the new 'twin' perfumes,

ecision



which can be used one after the other or even both at the same time!

• Already fashion and beauty writers are hailing this perfume

news with enthusiasm and their continued support will serve to make Goya's advertising even more compelling—women EVERYWHERE WILL WANT

competing—WOMEN
EVERYWHERE WILL WANT
DECISION AND VIBRATION.

• Reap the benefit of Goya's
• whicity yourself and display these
two new perfumes—feature them
in your own advertisements in the
local papers (Goya will be pleased
to send you blocks)—show Goya's
special cinema side, with your
own name included, at the locacinema. MAKE SURE YOUR
CUSTOMERS COME TO
YOU FOR DECISION AND
VIBRATION.



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for the treatment RHEUMATIC CONDITIONS



33% of its weight civen off as Methyl Salicylat

Although the POLYESTOL BANDAGE has obeen in production for two months, word of me recommendations and national advertising horought enquiries by almost every post.. both it the public and the Trade. Certain medical jour and an app eciable number of doctors have expreapproval of this unique method of introducing Scyle Acid continuously and cumulatively into system by which sp.edy and effective relief is offe to sufferers from rheumatic conditions. EPOLYESTOL BANDAGE has sixty hours of potent use in one to ten h





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MANESTY HAND TABLET MACHINE OUTPUT 100 回 PER MIN. UPTO DIAM

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OLYMPIA D21/2



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PUNCHES and DIES

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MANESTY HAND COMPACT PRESS OUTPUT 2000

COMPACTS PER DAY

MANESTY CP2 COATING PAN

STANDARD SIZE 30" DIAM.



MANESTY **B.B.3** ROTARY TABLET MACHINE.

BLETS UP TO 4 DIAM

OUTPUT 1000-1500 PER MIN.

ABLETS UP TO 2 DIAM



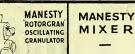
PER MIN. ABLETS UP TO 2 DIAM.



ABLETS UP TO 18 DIAM

OUTPUT 150-224 LBS PER HOUR BEVEL EDGE ROUND SPECIAL SHAPES **ENGRAVED EMBOSSED**

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OUTPUT 300-350 PER MIN.

FOR TABLETS UP TO "DIAM.



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FOR TABLETS UP TO 24"DIAM.

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TELEGRAMS: MANESTY, LIVERPOOL

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CLEANSING SHAMPOO

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THE SOAPLESS OIL SHAMPOO

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SAPO MOLLIS **B.P. VIRID. SAPO** MOLLIS B.P. SAPO **MOLLIS** COMMERCIAL



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TYRO-LOL GERMICIDE

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Tremendous Success

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- All these statements are true quotations from actual orders coming in by the hundreds!

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containing OLESTOL

Washes hair shimmering clean without making it harsh and dry!

It's by Pears ...IT'S NEW . IT'S DIFFERENT



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PGT 2/923/80



fe and certain, neat and hygienic, the Methedrine' Inhaler is bringing brisk isiness to chemists who put it on display. his is the only inhaler on the market

intaining d-N-Methylamphetamine; it ves immediate and prolonged relief in

Attractively cartoned, the 'Methedrine' Inhaler is supplied in display-outers holding 24. A special bonus gives one extra inhaler with each display-outer ordered. Striking showcards are available. Retail price of the 'Methedrine' Inhaler: 2/plus 6d. tax.



ead colds and nasal catarrh.

The 'Methedrine' Inhaler

for prompt relief of head colds and catarrh



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ARABINOSE · CELLOBIOSE · DEXTRINE (Prep. by precipitation) · DEXTROSE (Cryst. Anhydrous)
DULCITOL · GALACTOSE · INOSITOL · INULIN · LACTOSE · LÆVULOSE · MALTOSE
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FULL SUPPLY PRE-WAR QUALITY & PACK CACHETS FAIVRE

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CHEMIST AND DRUGGIST

MARCH 12, 1949

Published weekly at 28 Essex Street, Strand, London, W.C.2

Telephone: Central 6565 (10 lines). Telegrams: "Chemicus, Estrand, London."

ngle copies I/- each. Annual subscription, which includes The Chemist and Druggist Diary and Year Book, 30/-

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NEWS OF THE WEEK

No Decision Yet.—The decision of the atutory Committee upon a complaint id by the Pharmaceutical Society against pots, Ltd. (postponed for twelve months om February 26, 1948—see G. & D., 948.I.307) is not yet available.

Research Grants.—The Department of cientific and Industrial Research has sued a revised edition of its "Notes on rants Awarded by the D.S.I.R. to Rearch Workers and Students" (H.M. Staonery Office, price threepence).

Monopolies Commission Inquiry.—The rst industries to be investigated by the fonopolies and Restrictive Practices Commission include: Instruments, appliances, quipment, apparatus, materials and accessories (including artificial teeth), wholly or tainly used in dentistry.

Sight-testing Fee Reduced.—The Miniser of Health, after discussions on the verage time taken for the testing of sight, as reduced the sight-testing fee payable of ophthalmic medical practitioners in the applementary ophthalmic services from 11 11s. 6d. to £1 5s.

Utrecht Fair. — THE CHEMIST AND DRUGGIST, C. & D. "Export Review," and other publications of Morgan Bros. (Publishers), Ltd., will be exhibited at the Utrecht Fair, Holland, March 29-April 7. The exhibit will be in charge of Mr. S. H. Hartog, 9 Radnor Lodge, Sussex Place, London, W.2.

Doctors' D.D. Authorities.—The Home Secretary has restored to John Joseph Coghlan, M.R.C.S., L.R.C.P., the authorities under the Dangerous Drugs Act, 1920, that were withdrawn from him in November 1938 (see C. & D., 1938.II.607). The authorities restored to John Robert McGilvray, M.B., Ch.B., in January 1947 (see C. & D., 1947.II.203), have again been withdrawn.

Minister's Attitude to Organisations.—A recent circular to Executive Councils, describing the Whitley Council machinery, draws attention to a statement made in the House of Commons on January 29 by the Minister of Health to the effect that he hoped persons employed in the National Health Service would be encouraged to

belong to their appropriate organisations, but membership would not be a condition of employment.

Fine Chemicals Group Officers.—At the first annual meeting of the Fine Chemicals Group of the Society of Chemical Industry, held in London on February 22, the following officers were elected for 1940-50:—Chairman, Sir Jack Drummond, F.R.S.; Vice-chairman, Dr. F. Bergel; Secretary and Treasurer, Dr. W. Mitchell, Stafford Allen & Sons, Ltd., Wharf Road, London, N.1; Recorder, Dr. F. Hartley, and Auditor, Dr. R. E. Stuckey.

Plutonium from Harwell. — A small quantity of the artificial element plutonium has been produced at the Atomic Energy Research Establishment, Harwell, by irradiating a uranium slug for several months in the low-power atomic pile. The product, in the form of a plutonium salt, is sufficient in quantity to permit investigation of the chemical and chemical engineering problems likely to be met in handling the element on a large scale. The element, which is separable from uranium by chemical methods, may be used for building up stocks of highly radioactive material.

Chemists Federation.—At a meeting of the Chemists Federation Council held in London on March 3, the president (Mr. P. H. Smith) welcomed Mr. K. G. Patteson (representative of British Alkaloids, Ltd., co-opted to fill a vacancy caused by the resignation of the Crookes Laboratories, Ltd.). Mr. Norman Dewey was elected Chairman of the propaganda committee. It was reported that Graham Tatford & Co., Ltd., had resigned their manufacturer membership, having ceased to manufacture the products included in the C.F. list (their wholesaler membership remains unchanged). Arrangements were made for the Council to make representations to the Chancellor of the Exchequer for the removal of purchase tax from proprietary medicines. The Council also considered amendments to the constitution and rules of the Federation proposed by the rules committee.

London A.P.E. Conference.—At a conference held in London on March 8 under the auspices of the London advisory committee, Association of Pharmaceutical Employees there was an attendance of about twenty-five. Mr. J. D. Hiscock (secretary of the trade union side of the National Joint Industrial Council for Retail Phar-

macy) described the events that had I the trade union side to give notice to t minate the existing J.I.C. agreement (C. & D., January 15, p. 75). He point out that, although the agreement was d to terminate on March 26, the negotiati machinery would continue to exist. national advisory committee of the A.P. was shortly to meet to formulate new pi posals for salaries and conditions of e ployment. The proposals would be pu lished and conferences called all over t country to discuss them. To impleme them successfully the trade union si would need much more support from tail employee pharmacists. Mr. W. S. Be jamin said that the scarcity of pharmaci was the basis of the level of salaries act ally being paid today. The scarcity w not extreme, however, and a comparative small increase in the number of pharm cists available might make a consideral difference to salaries. Employees should recognised at least as parties to Nation Health Service contracts.

Prescription Forms for Out-patients. New arrangements for supplying drugs ar appliances to out - patients attending National Health Service hospitals or ho pital clinics that have neither pharmace tical departments nor regular and conv nient arrangements with another hospit for dispensing prescriptions, have been announced by the Minister of Healt Such hospitals and clinics are to be issue with supplies of a new prescription for (E.C.10. H.P.) generally similar to For E.C.10, but printed on pink paper. The form, stamped with the name of the ho pital or clinic, and duly completed an signed by a medical practitioner on the staff, may be presented by the patient for dispensing to any contractor on the pha maceutical list of an Executive Counci Drugs and appliances included in the Thir Schedule to the N.H.S. (General Medic and Pharmaceutical Services) Regulation 1948, may be ordered on the form. At th end of each month the forms should b sorted by contractors with forms E.C.1 and E.C.14 and forwarded in the sambundles to the pricing bureau. There no need at present to group them separ ately. The number of the prescriptions o pink forms should be included in the total number of prescriptions shown on th covering forms E.C.34 Part A and E.C.38 Payment, including an "on-account" pay ment where claimed, is to be made by the Executive Council.

LOCAL NEWS

spital pharmacists from all parts of the Wales attended the first annual dinof the South Wales Branch of the ild of Public Pharmacists held at Caron February 12.

Long-service Presentations. — Hodders, I., Bristol, entertained 160 of their emvees at a dinner held on February 23, on presentations were made to each of enty-two employees who have served the npany for twenty-five years or more aggregate of years served was 693.

Alternative Site for Pharmacy. — The al planning authority in Portsmouth has cred to help Mr. John Lauder, M.P.S., find a suitable site for a pharmacy in sham, Sussex, following rejection of his n to build premises on the south side Portsmouth Road, Bosham. It is recoged that a pharmacy in the area is essen-

Chemical Works Fire.—Hopkin & Wilns, Ltd., announce with regret that, as result of a fire in their works at East yners Lane, Middlesex, on March 6, two ployees were seriously injured, and one sequently died. Production has not maffected and it is hoped that a slight ay in meeting orders for packed chemis will be overcome in a few days.

Hendon and Edgware N.P.U.—A Hennand Edgware Branch of the National armaceutical Union was established at a eting held in Edgware on February 28. e following officers were elected:—

Chairman, Mr. H. C. Mantripp; Vice-chairman, Mr. G. H. Hankinson; Secretary and Treasurer, Mr. B. Nokes, 611 Watford Way, Mill Hill, London, N.W.7 (Telephone: Mill Hill 3520).

Discussion on Process Research. — A recent meeting of the Fine Chemicals Group of the Society of Chemical Industry, at which Sir Jack Drummond, F.R.S., presided, took the form of a discussion on "Process Research in the Fine Chemical Industry." Members discussed problems connected with the development of processes for new chemicals and with working out for established chemicals new production processes made necessary by increased demand or the availability of new sources of raw material.

Optics School Opened.—A new London school of optics under the control of the Institute of Optical Science (formerly the Institute of Chemists-Opticians) was declared open on March 2 by Sir Robert Young, O.B.E., M.P. Dr. W. Simpson (president of the Institute) was in the chair at the ceremony and the other speakers were Messrs. F. W. Skinnard, M.P. and J. Ross-Mansell (secretary). The school is to provide evening instruction in preparation for the Diploma in Ophthalmics and for the Institute's Fellowship diploma. (See illustration below).

X-ray Lecture at Harrogate.
"X-rays in the Life of Today" was the subject of a lecture given recently to the Harrogate Branch of the Pharmaceutical Society by Mr. W. Deacon (a member of Council). Mr. Deacon described the



Robert Young, O.B.E., M.P., addressing the students at the opening of the School of the Institute Optical Science, London, on March 2. Also in the group are Dr. W. Simpson (president) and Mr. J. Ross-Mansell (secretary).

discovery of x-rays by Röntgen in 1895 and explained some of the uses in medicine and industry. He paid tribute to radiographers whose work involved a risk to their own health. In discussion, a radiographer criticised the high rate of purchase tax on protective clothing but praised the effectiveness of the protective screening incorporated in the most modern equipment.

Make-up Demonstration.—At a meeting of the Dartford Branch of the tical Society on February 24, Mr. (Max Factor, Hollywood and London (Sales), Ltd.), spoke on "The Use of Modern "The Use of Make-up." Women had used make-up since time immemorial, he said, and character make-up had always been used by theatrical performers. The development lighting modern and the introcolour of films had made necessary many modifications in the cos-metics used. Manufacturers had made rapid progress in recent years, and the modern woman had access to a wide range of excellent and safe products. A member of the audience was then made-up, to show the correct use of cleansing and foundation creams, face powder, rouge, eyebrow pencil and lipstick. The chairman was Mr. W. A. Smith, and a vote of thanks to the speaker was proposed by Mr. F. B. Drummond.

Lawyer as Speaker at Harrow.-Mr. L. M. Bennett, B.A., LL.B., addressed members of the Harrow Branch of the Pharmaceutical Society on February 14 on "Mercantile Law and its Application to Retail Pharmacy." Under the Registration of Business Names Act, he said, it was necessary to register the name of a new business, unless it consisted of the true surname or surnames of the owner or owners. The Sale of Goods Act required a pharmacist to use his skill and judgment, and it was a condition of sale that an article should be fit for the purpose for which it was required. At common law the customer was an "invitee," and the speaker explained the implications of that position. Finally he reviewed the pharmacist's position in relation to the Town and Country Planning Act, 1947, pointing out the necessity of rendering claims by June 20. In answer to a question, he said that an article exhibited in a shop window was "an offer The retailer could refuse, at to treat." any time before acceptance, to sell an article at the price advertised.

IRISH NEWS

Lecture on Liver Extracts.—Mr. T. Marsh, M.P.S. (Glaxo Laboratoric Ltd.) lectured to members of the Pharmaceutical Society of Northern It land at a meeting in Belfast on Februa 9 on "Production, Control and Use Liver Extracts." Mr. H. H. Cowzer (president of the Society) was in the chair at a vote of thanks to Mr. Marsh was move by Messrs. J. A. Brown and A. Mawhinne

Northern Ireland N.H.S. Estimates. An extra £246,000 for pharmaceutic services and the supply of appliances among items in a supplementary estima for £1,138,120 introduced recently in the Northern Ireland Parliament to meet the cost of the Health Service. Payments chemists, etc., were originally estimated the Budget at £320,000 Under the one National Health Insurance scheme (which estimates were based) the annucost of pharmaceutical services w £60,000. The supplementary estimate icludes an extra £450,000 for dental services and £285,000 for eye services.

OVERSEAS NEWS

South Africa Restricts Imports. — A extended list of commodities the import which into South Africa from the sterlir area is prohibited, was published on Marc 4. The list includes perfumery (exceeding a per cent. of proof spirit) and toilet proparations (tooth-pastes, cosmetics, dyes are hair oils).

World Health Organisation. — D Neville M. Goodman (acting assistan director general) of the World Health Organisation, announced at the third session of the Organisation's Executive Boar at Geneva recently that thirty-four of total membership of fifty-eight countribution and tequested W.H.O. assistance for advisory and demonstration services and fellowships. It was also announced that 6 per cent. of the Organisation's 1948 budge had been paid up in contributions from various governments. A sum of \$716,04 was to be spent on plans in the fields of tuberculosis, malaria, venereal disease being developed by the various governments. At the meeting, Sir Aly Tewfi Shousha, Pasha (Egyptian Under-Secretar of State for Health and Chairman of the Executive Board), was elected Director of the W.H.O. Regional Office in Alexandri as from July 1, 1949.

TOPICAL REFLECTIONS

os in Sight

ne thanks of registered pharmacists, loyers and employed, are due for your brial comment headed "Slippery e" (p. 306). If a dispensing service rovided, after closing hours, accordate to the caprice of any National Health ice contractor who choses to start it, lists in business will be heading for old evening competition in which the time of closing was the goal. Easyg people with short memories are apt ssume that the battle for reasonable hours was won long ago, and that is no danger of a return to the pracof burning artificial light for the sake utting another possible penny in the But though there were occasional

ussions on this practice during Vicn and Edwardian years, it was not the Shops Act of 1912 came into that the making of closing orders ocal authorities became general. Be-

that time, pharmacies in busy oughfares were in many cases open 10 p.m., with one later closing and half-holiday weekly. The introduction tatutory closing orders brought about rtain amount of grumbling from protors who thought that their evening ensing under the first National Health rance Act was being rushed (as perit was). The chemist of a generator two ago who protested that he keep open as late as, or rather later his nearest competitor had somes the excuse, for what it was worth, roviding for a large family. No such see can be pleaded by the multiples.

ected Extracts

iver extract, introduced as the result esearch by Minot and Murphy in 1926, been so fully accepted as an article ontemporary materia medica that some arks of Dr. J. F. Wilkinson in his nt lectures to the Royal College of sicians (p. 312) come as a shock. Any rvations by Dr. Wilkinson on anæmias sure to receive careful attention. en, therefore, he states that certain preparations have, in his opinion, less potent during the past few years previously, manufacturers and prepers cannot fail to take notice and to what steps towards effecting improvet are practicable. The root of the ble is, I gather, defective control of raw material before it reaches the

manufacturer. Have sufficient experiments been undertaken with a view to ascertaining the extent of loss of hæmopoietic potency in such circumstances? As liver extract is being increasingly used as an ingredient in general tonics as well as in treating anæmias, there is all the more reason for obtaining it in as clinically active a state as possible. Sir Robert Hutchison once told an audience of pharmacists that he did not prescribe phosphorus in any form; and Easton's syrup is no longer official. Pharmacologists will, it may be suggested, leave us at least the liver extract on which so many hopes have been based!

Hospital Pharmacists' Salaries

The result of the recent conference of hospital pharmacists (p. 307) leaves no room for doubt that they have a strong case for a higher scale of salaries. Difficult though it may be to compare the work of a hospital pharmacist with that of his opposite number in the dispensary of a shop, I have long thought that the work of the qualified man in a hospital is the more exacting of the two-not, indeed, in legal responsibility, but in its technical demands. As you indicate on p. 305, hos-pital pharmacists have hitherto been "only beginners in the fine art of negotiation." It may well be that their relative paucity in numbers, compared with the big battalions of most trade unions, has led hospital managements to assume that they were not of much account in the general scheme of working. A study of the carefully graded scale proposed at the conference (p. 308) leads to the conclusion that it is entirely reasonable. One feature that emerges clearly from your report is the prospective difficulty of attracting suitable applicants for future posts. Men and women with long service behind them may wish to stay where they are; newly qualified people will, however, almost certainly refuse to entertain the idea of work so insufficiently remunerated. The inevitable result will be a scarcity of pharmacists trained to carry out the delicate and responsible operations required in hospital dispensaries. In those circumstances members of medical staffs will have to be detached from their proper duties to step into the breach and, if necessary, to learn new techniques; or a new race of "technicians" will have to be reared to deal with the situation.

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NEW COMPANIES

HARVEY CAMPBELL & Co., LTD. (P.C.).—Capital £100. To carry on the business of chemists, druggists, etc. Celia Alderton, Frank H. Stokes, and Richard W. Mitchell, directors. R.O.: 84A North End Road, London, W.14.

METAL BOX CO. OF AUSTRALIA, LTD. (P.C.).— Capital £100. To carry on the business of tin box manufacturers, manufacturers of containers, etc. First directors are to be appointed. Solicitors: Reynolds, Gorst & Porter, 7 Arundel Street, London, W.C.2.

RUSTONS CHEMISTS, LTD. (P.C.).—Capital £20,000. To carry on the business of wholesale, retail and manufacturing chemists, druggists, etc. Dr. Henry E. Gleave, Edward A. Wiseman, and H. J. Clarke, directors. R.O.: 31 Bletchley Road, Bletchley, Bucks.

J. E. Hoddson, Ltd. (P.C.).—Capital £6,000. To acquire the business of chemists carried on at 14 High Row, Darlington, and to carry on the business of pharmaceutical and general chemists, etc. John B. Hodgson, M.P.S., Elsie M. Hodgson and Kenneth D. Hodgson, directors.

ALDWYCH CHEMICALS, LTD. (P.C.).—Capital £5,000. To carry on the business of manufacturers and refiners of and dealers in oils, chemicals, spirits, gums, fats, shellac, etc. Laurence A. Lever and Elise Lever, directors. R.O.: Danes Inn House, 265 Strand, London, W.C.2.

CARGOSE, LTD. (P.C.).—Capital £1,000. To carry on the business of importers, exporters, wholesalers and retailers; manufacturing, research and development chemists and druggists, etc. John T. Beddall and William Beddall, directors. Solicitors: Thompson, Warmington & Cave, Dudley.

LUKE J. HEALY, LTD. (P.C.).—Registered in Dublin. Capital £20,000. To acquire the business of a pharmaceutical chemist and manufacturer of acrated waters carried on by John Healy, M.P.S.I., at 1 and 82 West Street, Drogheda, co. Louth. John Healy and Raymond E. Healy, directors.

Hirst, Brooke & Southon, Ltd. (P.C.).—Capital £100. To acquire all or part of the issued share capitals of Hirst, Brooke & Hirst, Ltd., and Southon Laboratories, Ltd., or all or any part of the undertaking and assets of such companies and to carry on the business of wholesale chemists, druggists, etc. First directors are to be appointed. Solicitors: Stephenson, Harwood & Tatham, 16 Old Broad Street, London, E.C.2.

Company News

BOOTS PUKE DRUG Co., LTD.—The interim dividend for the half-year ending March 31 is 10 per cent., the same as in the corresponding period of 1947-48.

Manchester Oil Refinery, Ltd.—Full allotment of applications up to £200 for the recently issued $4\frac{1}{2}$ per cent. first mortgage debenture stock has been made; the allotment has been about 40 per cent. in respect of applications over £200.

Bankruptcy. — Golden Valley Chemical Works, Ltd., manufacturers of toilet preparations and requisites, 20 Gloucester Street, Stroud. Meetings of creditors and shareholders under compulsory liquidation of the company were recently, when it was reported that liabil amounted to £4,649, of which £3,000 was to a debenture holder and £1,649 to unsect creditors. The assets, estimated to proc £1,224, would be absorbed by the deben claim, thus showing a deficiency as regarded creditors of £3,425. Issued capital amounted £4,000 and, so far as the shareholders were cerned, there was a total deficiency of £7,425. matter was left in the hands of the Official ceiver as liquidator.

Voluntary Liquidation. — A. & V. WILLIA LTD., chemists' sundriesmen, Seabrook Gard Romford, Essex. A meeting of creditors was recently when a statement of affairs was mitted with liabilities amounting to £365 aga assets of £310, leaving a deficiency of £55. assets consisted of: Stock in trade, £405, mated to produce £300; and book debts, The company was registered on November 1947, with a nominal capital of £300. The votary liquidation of the company was confin with Mr. Parkin S. Booth, Kimberley House, High Holborn, London, E.C., as liquidator.

BUSINESS CHANGES

M. KELLY (CHEMISTS), LTD., Leicester, shortly to open a new branch at 39 Tudor Ro Leicester.

PORTSEA ISLAND CO-OPERATIVE CHEMISTS' L have recently opened a branch pharmacy at 7 'Arcade, Allaway Avenue, Paulsgrove, Portsmot

GLAXO LABORATORIES, LTD., have appointed 1 to C. E. M. Goodrich, B.Sc., F.R.I.C., head of the pharmaceutical manufacturing and packing partments.

Brownes the Chemists (Kingston), Ltd., h acquired the business at 15 High Street, Hamp Wick, Kingston-on-Thames, formerly carried on the representatives of the late Mr. A. H. Pinfe M.P.S.

SERV-I-TOR BRUSH Co., LTD., are shortly traferring their factory to Fforestfach, Swansea, Gland The company's head office and showrooms are remain for the time being at 38 Upper Clap Road, London, E.5.

LEGAL REPORT

Tallow as Edible Oil.—At Seaham Hebour, co. Durham, on February Michael Thompson, general dealer, Sinderland, was fined £75 for supplying cwt. "edible oil" without a licen Thomas Knowles, baker, Seaham Harbowas fined £150 for obtaining the mater without a licence, and costs of £55s, we allowed against both defendants and quantity of the fat was confiscated by Ministry of Food. Both defendant pleaded guilty. For the prosecution it we stated that the fat was tallow; it was supplied only to particular users and was mormally "edible fat."

BIRTHS

Hospital, Goldhawk Road, London, on March 8, Kathleen, the wife of the Beaven, Ph.C., A.R.I.C. (medical artment, Parke, Davis & Co., Staines d, Hounslow, Middlesex), of a son hard Charles).

IncDonald.—At Simpson Memorial lion, Edinburgh, on March 1, to Mart (née Stirling), the wife of Allan L. Donald, M.P.S., 44 Campview, Bonny-Midlothian, of a son.

DEATHS

ORDON.—At Bolingbroke Hospital, Lon-S.W.11, on March 6, after a short ss, Mr. Henry Gordon, M.P.S., 271 In Road, Balham, S.W., aged sixty-four. RAHAM.—On February 26, Mr. Joseph Braham, a director of Ayrton-Graham, Shopfitters, Climax Works, 20 Benof Street, Liverpool, 1.

EITCH.—Recently, Mr. John Traill ch, M.P.S., 150 Station Road, West-

-on-Sea, aged fifty-four. AE.—At Doone, Bashurst Hill, nr. sham, Sussex, on February 25, Mr. ander Frederick Rae, M.B.E., aged v-two. Mr. Rae, who was widely known he drug and toilet preparations indus-, commenced his business career with liam Tulloch & Co., chemical merchants dealers, Glasgow, who at the time dealt ely in glycerin and acted as buying ts for Nobels Explosives Co., Ltd., v Imperial Chemical Industries, Ltd.). y in the 1914-18 war he transferred London and was in charge of glycerin plies at the Ministry of Munitions. He awarded the M.B.E. for his services. 1919 Mr. Rae joined Joseph Crosfield ons, Ltd., Warrington, as London re-entative of their chemical and glycerin artments. In that year the United gdom Glycerine Producers' Association, , was formed, and Mr. Rae was apted joint secretary with the late Mr. kander Goodman (Lever Bros., Ltd.), a he held until a few weeks ago, when ealth compelled him to retire. In 1929 erine, Ltd., was formed to centralise marketing of glycerin for Lever Bros., ., and associated companies and Mr. was appointed general manager and managing director. When war broke again in 1939, the United Kingdom cerine Producers' Association, Ltd., was

asked to take charge of glycerin rationing, in close conjunction with the Ministry of Supply, so that Mr. Rae became virtually controller for the second time during a great war. His great knowledge of the many purposes for which glycerin was used, his experience during the first World War, and his unfailing courtesy, tact and fairness contributed strongly to the smooth working of the control. The strain, however, began to tell, and he had a serious illness two years ago from which he never completely recovered. Mr. Rae is survived by his widow and two married sons, both of whom are connected with the Unilever organisation. The cremation took place at Brighton on March 8.

SOWDEN.—On February 13, Mr. William Sowden, M.P.S., 10 Hawthorne Drive, Rodley, Leeds. Mr. Sowden qualified in 1904.

Toomey.—At his home, Belvedere Pharmacy, 19 Great Denmark Street, Dublin, on March 4, Mr. Edmund Joseph Toomey, L.P.S.I.

WILLIAMS—On February 16, after a long illness, Mr. Ernest George Aloysius Williams, M.P.S., 57 Valiant Avenue, Higher St. Budeaux, Plymouth, Devon. Mr. Williams qualified in 1936.

WILLS

Mr. H. W. Gartside, M.P.S., Red Lion Cottage, Catforth, nr. Preston, Lancs, left £5,168 (£5,096 net).

Mr. E. Langham, M.P.S., Elmcott, Church Lane, Bursledon, nr. Southampton, left £6,884 (£6,829 net).

Mr. ROBERT EDWIN WRIGHT, M.P.S., Lannion, St. Mawes, Cornwall, formerly of Bainton Road, Oxford, left £2,708 gross (£2,672 net).

Mr. E. A. Rixen, M.P.S., 10 Gladstone Street, Soundwell, Glos, a director of Ideal Chemists, Ltd., Staple Hill, Bristol, left £2,384 (£2,354 net).

Mr. J. Benson, M.P.S., 27 Furness Park Road and Dalton Road, Barrow-in-Furness, Lancs, left £2,196 (£2,139 net).

Mr. F. A. Lund, M.P.S., Debrosa, Station Road, Scalby, and 94 Westborough, Scarborough, Yorks, a director of F. A. Lund, Ltd., left £27,986 (£27,734 net).

Mr. H. J. Callow, M.P.S., 214 Pineapple Road, Kings Heath, Birmingham, for twenty-six years Birmingham territorial general manager for Timothy Whites & Taylors, Ltd., and its predecessors, left £3,892 (£3,836 net).

MR. D. J. Manson, M.P.S., 64 Fairfield Road, Stockton Heath, Ches, formerly manager of Boots, Ltd., Market Gate, Warrington, Lancs, and 1 School Road, Sale, left £1,843 (£1,778 net).

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

MR. ERNEST THURTLE asked the Attorney General on February 28 if he proposed to introduce legislation on similar lines to those of the Tenancy of Shops (Scotland) Bill to protect the shopkeepers of England and Wales, whose insecurity of tenure was similar to that of shopkeepers in Scotland. The Attorney General (SIR HART-LEY SHAWCROSS) replied that the tenancies of shops and office accommodation were among the matters being considered by the Leasehold Committee. The Committee would deal with those matters in its interim report on business premises, which they expected shortly to present. The question of legislation would be considered in the light of any recommendations the report might contain.

Consultations on Exempted Medicines

Mr. CHARLES CHALLEN asked the Chancellor of the Exchequer on March 1 with whom the Commissioners of Customs and Excise consulted in drawing up lists of medicines and drugs to be exempted from purchase tax.

SIR STAFFORD CRIPPS: The Commissioners of Customs and Excise rely pri-marily on the Ministries of Health on human and of Agriculture on animal

medicines.

SIR THOMAS MOORE asked what steps were taken to bring to public notice the medicines and drugs that were free of tax and those subject to tax. SIR STAFFORD CRIPPS replied that full particulars of the exemption of drugs and medicines from purchase tax were published by the Commissioners of Customs and Excise in public notices, distributed to the national, pro-vincial, and trade Press. "In many cases a remedy is or is not exempt from tax according to the conditions under which it is sold."

Supplies for Diabetic Patients

BRIGADIER C. H. M. PETO asked the Minister of Food on March 2 what were the prospects of increasing the amount of diabetic chocolate for sale by chemists, for which the demand was at present greater than the supply. Mr. John Strachey replied that there was little prospect of obtaining additional supplies of sorbitol, an essential ingredient in diabetic chocolate. He thought his Ministry (and not the Ministry of Health) was responsible for the supply of ingredients.

Distribution Officers

GEOFFREY COOPER asked President of the Board of Tra March I if, in view fact that the movements and visits to tailers and their businesses of both dis bution officers and Price Regulation Co mittee inspectors largely coincided and t their work and the Price Regulations Co mittee's was decreasing since the reduct in the number of controls, he would range that the work of the thirty distrib tion officers might now be taken over the Price Regulation Committee inspecto The reply given by Mr. J. Edwards (P liamentary Secretary) was negative. Be sets of officers, said Mr. Edwards, w fully occupied; their duties were disti and could not be combined.

Medicine Bottles

Mr. V. J. COLLINS asked the M ister of Health on March 3 wheth in view of the high cost involv in issuing a new bottle with every prescr tion dispensed, he would devise a sche that would encourage the public to retu used bottles. The reply by Mr. Aneu BEVAN was: Yes, sir, and discussions taking place with representatives of pharmaceutical organisations.

INOUESTS

Ten Deaths from Methyl Alcohol.verdict of death from methyl alcol poisoning was returned at an inquiry Glasgow recently on ten persons who h died after being taken ill at a party. Pol evidence showed that the methyl alcol had been introduced at the party by guest who had stolen it from a chemi works. Thirty guests were affected.

Infected from Blood Transfusion .an inquest at Warrington recently on woman who had died after receiving blood transfusion, a doctor stated that t woman had developed jaundice (the car of death) from either the plasma or t blood with which she had been transfus and which must have been given by donor who was incubating jaundice. I cording a verdict in accordance with me cal evidence, the coroner expressed hope that blood donors would immediat report to the hospital if they contract jaundice after giving blood.

COMING CONFERENCES

erculosis and Health

he second Commonwealth and Empire Ith and Tuberculosis Conference is to held in London, July 5-8, under the pices of the National Association for Prevention of Tuberculosis. on is to be devoted to "Trends in lern Treatment, including Streptomycin

Para-amino Salicylic Acid," and the ufacture and use of the drugs is to be trated at an exhibition to be held in

unction with the conference,

rnational Biochemistry

he first International Congress of Bionistry is to be held in Cambridge, land, from August 19-25. Subjects t with will include "Animal Nutrition General Metabolism," "Clinical Bio-nistry," "Structure and Synthesis of ogically Important Substances," "Hor-les and Steroids," "Chemotherapy and nunology," "Plant Biochemistry," and dustrial Fermentations." The address of organiser is 56 Victoria Street, S.W.I.

rmaceutical Students

he 1949 conference of the British rmaceutical Students' Association is g held at Glasgow, April 6-10. The t programme includes a series of lecs on technical subjects, the reading of ers by two Giasgow students and by ents from overseas, a "brains trust' rominent Scottish pharmacists, and an ress by Dr. D. McCall (resident secreof the Pharmaceutical Society in Scot-). Social events include a social evenand a dance organised by the Glasgow rmacy Club, an official dinner, a tre visit and a coach tour.

mie Energy

he Ministry of Supply Atomic Energy earch Establishment, and the Chemical ety have arranged a conference of ntists from Europe and America on nic energy chemical developments. of the objects of the conference is to ble, in particular, universities, research ciations and industrial and Governt laboratories to become familiar with e of the developments. The first part he conference, commencing on March will be held in Oxford, and the latter which will be devoted to use of oactive tracers in chemistry and biomistry, is to take place in London.

E. Lester Smith and D. Rowley are ng the authors of papers to be read.

PERSONALITIES

SIR ROBERT ROBINSON (President of the Royal Society) has been elected an honorary member of the Parliamentary Scientific Committee.

MR. H. N. LINSTEAD, O.B.E., M.P., has been elected a foreign corresponding member of the Academy of Medicine of France.

Mr. Martin Daniels (managing director, Rexall Drug Co., Ltd., Nottingham) left Southampton on March 3 on a business trip to Capetown, South Africa.

Dr. James Craigie, O.B.E., has been appointed general superintendent of investigations and director of the central laboratory fund of the Imperial Cancer Research Fund. Dr. Craigie was awarded the U.S. Typhus Commission medal in 1946.

Mr. Eric Thorpe, B.Sc., B.Pharm., Ph.C., who addressed an evening meeting of the Scottish Department of the Pharmaceutical Society recently (see p. 332), is senior lecturer at the School of Pharmacy, Robert Gordon's College, Aberdeen. He came to the school in 1934 from Birmingham, where he had held teaching appointments for four years. Mr. Thorpe qualified as a Pharmaceutical Chemist in 1929.

ROYAL INSTITUTION

A MEETING was held recently at the London home of the Royal Institution to commemorate its one-hundred-and-fiftieth anniversary. Professor E. K. Rideal, F.R.S., M.R.I., was the speaker. He dealt with the work of Royal Institution members who had been interested in the chemistry and physics of surfaces, and in particular of Benjamin Thompson (later Count Rumford), a founder of the Institution (on March 7, 1799). Rumford, a native of Massachusetts, was admitted to the Fellowship of the Royal Society in 1799, later served in the Bavarian army—(for a time he was its Chief of Staff). During his second stay in London he initiated the formation of the Institution. He identified Laplace's attractive forces with the "adhesional" forces he himself had observed. Rumford's and Davy's work led Thomas Young to his cohesion and capillarity theory. In 1805, Rumford married in Britain the widow of Lavoisier, and removed to Paris.

TRADE NOTES

Pre-war Quality and Pack.—Wilcox, Jozeau & Co., Ltd., 74 White Lion Street, London, N.1, announce that full supplies are now available of Dr. Faivre brand cachets of oxyquinotheine in pre-war quality and pack.

Hot-water Bottles.—A broadsheet describing and illustrating the Suba-seal range of india-rubber hot-water bottles has been issued by the manufacturers, William Freeman & Co., Ltd., Subaseal Works, Peel Street. Barnsley.

Mouse-poison Display.—Scram Products, Ltd., Dartmouth Park Hill, London, N.W.5, direct attention on another page to a new counter display box for Scram mouse poison, which is understood to be harmless to children and pets. Orders may be placed with wholesalers or direct.

Prices Reduced. — Organon Laboratories, Ltd., Brettenham House, Lancaster Place, London, W.C.2, announce reduced prices from April 1 for ethisterone tablets (Progestoral), in 5-mgm., 10-mgm. and 25-mgm. sizes; and methyl testosterone tablets (Neo-Hombreol M), in 5-mgm., 10-mgm., 25-mgm. and 50-mgm. sizes.

Succino-salicylate Therapy.—Damancy & Co., Ltd., 41 High Street, Harrow-on-the-Hill, Middlesex, have issued a four-page descriptive leaflet dealing with their speciality Dellipsoids D.5 Rheumalgesia. The leaflet, which is entitled "A New Approach to the Treatment of Rheumatic Conditions," gives details of formula, dose, packing and trade prices of the product.

Pre-" perm" Shampoos.—Munro Vitarex, Ltd., 6 St. Faith's Road, London, S.E.21, manufacturers of Charmony soapless shampoos, point out the importance of using such preparation in preference to a soap shampoo (which leaves an insoluble residue difficult to rinse out) prior to using one of the home permanent waving outlits now on the market.

International Trade Mart.—Nicolene (E. F. & C.), Ltd., Kent House, 87 Regent Street, London, W.1, have been appointed organisers of a British Section of the New Orleans, U.S.A., International Trade Mart, a permanent exhibition readily accessible to buyers from Central and South America and the U.S.A. A descriptive folder is available.

Aspirin Chewing-tablets. — Magsilate analgesic and antipyretic chewing tablets,

shown at the Chemists' Exhibition, Londe 1948, are now obtainable from the mar facturers, Westminster Laboratories, Lt Chalcot Road, London, N.W.1. Each talet contains aspirin, magnesium trisilic and hydroxide, sugar and flavouring. Taspirin, a central core, is encased in lay of the antacids and of the sweetening a flavouring agents. Magsilate is issued boxes of twelve tablets, each pair in transparent envelope.

Pine Fluid Disinfectant. - Newton, Chambers & Co., Ltd., Thorncliffe, Sheffield. have introduced, in bottles of two sizes, a new non-poisonous, non-staining pine fluid disinfectant, Zal. for general use.



Baby-food Mixer.—A new plastic mix without moving parts, for the rapid mixi of baby foods, materials used in cookin etc., has been issued under the nat Quickmix. The Quickmix (essentially ridged beaker with domed lid) is availated in various colours. Distribution is throut the sole selling agent: Wilfred T. Scu 172 Edmund Street, Birmingham, 3.

Agencies for Pakistan.—Mr. C. Hunt, the English partner in Fazal D and Sons, wholesale druggists, The Ma Lahore, is visiting this country to negotia agencies and general business in propr tary medicines and surgical and hospi goods. Interested manufacturers are ivited to contact Mr. Hunt at 27 Mou Pleasant Villas, Crouch Hill, London, N

Shelf Stand.—Evans Medical Suppli Ltd., have issued an aluminium shelf stan 3\frac{3}{4} in. square, for Evans throat pastill The stand is finished in the blue at red of the container. Any chem who does not receive one of the stan from the company's representative on call is invited to apply to the home sal department at Speke, Liverpool, 19, or 50 Bartholomew Close, London, E.C.1.

Bacteriological Sugars.—A thirty-spage booklet "Sugars and Bacteria," itended primarily for users of the bacterisugars and biochemical reagents issued I Thomas Kerfoot & Co., Ltd., Vale

dsley, Ashton-under-Lyne, has been lished by the company. The booklet usses the use of carbohydrates in the ly of bacteria and in clinical tests; it tains several tables of reactions and nerous structural formulæ are included.

Vaginal Antiseptic. — Aci-jel, a nonific vaginal antiseptic issued by Ortho rmaceutical, Ltd., Lane End, High combe, Bucks, is composed of ricinoleic d, 0.75 per cent. w/w; boric acid 3 cent. w/w; oxyquinoline sulphate, 25 per cent. w/w; propyl ester of pararoxybenzoic acid, 0.05 per cent. w/w; glycerin, 10 per cent. w/w/, in a gum base adjusted to pH with acetic acid. Aci-jel is supplied in z. tubes, with or without measured .c.) dose applicator.

ole Distribution.—The Crookes Labories, Ltd., Export Department, 104 rylebone Lane, London, W.1, have appointed sole distributors in Europe, Mediterranean Basin and the Far East far as Malaya and the Dutch East ies) for vitamin concentrates manufacd by Marine Oil Refiners of Africa, Simonstown, South Africa.

th African company has recently estabed one of the most up-to-date vitamin its in the world for the production of min A concentrates of potencies up to ,000 i.u. per gm.

New Perfumes .- Peter Claridge, Ltd., New Bond Street, London, W.I, have oduced Smart Party and Dual Control, blends based upon twelve years' ex-ience of their formulator with a leading nch perfumery manufacturer. Smart described as "a romantic and



histicated" perfume, is being issued in liature flacons mounted on a small card ring a design in full colour illustrating character of the product. Dual Con-is expected to be available shortly. h perfumes are showing at the "Daily il" Ideal Home Exhibition, Olympia.

Rapid Cold Wave.—A new two-to-three hour home permanent cold wave has been introduced by Endura (England), Ltd., 51 Portland Road, Kingston-on-Thames, who claim to have been the pioneers of home permanent waving. The Endura creme rapid cold wave includes a "pre-perm" shampoo to remove grease from the hair, and a considerably increased quantity of waving lotion so that there is sufficient to



drench each curl thoroughly, with sufficient plastic non-slip curlers (four to eight more than in other commercially offered outfits) to do a full head of hair without overcrowding the curlers. A liquid neutraliser is provided, identical in chemical composition with the neutraliser used in many West End salons, and a free hair-styling chart, which may be had on request, con-tains instructions for setting the hair after perming. The company's exhibit at the Ideal Home Exhibition is illustrated above.

Proprietary Articles Trade Association

Alterations to Protected List (Part 1).-Johnson & Johnson (Great Britain), Ltd., Prices in Eire: Baby cream, 18s. doz., 2s. 3d.; baby lotion, 20s. doz., 2s. 6d.

Additions to List (Part 2) .- Herts Pharmaceuticals, Ltd., Nivea creme, No. 362, 6s. doz., tax 100 per cent., inclusive retail price 1s. 3d. Saunders (J. Touzeau) Preparations (c/o Butler & Crispe), Ninona liquid brilliantine, 10s. 6d.,

tax 100 per cent., i.r.p. 2s. 2d.

Alterations to List (Part 2).—Prichard & Constance (Mfg.), Ltd., Revised prices in Eire:

Amami small shampoos, 3s. doz., 4d.; wave-set 6s. doz., 9d. (Large-size shampoo not distributed

Culmak, Ltd., New Junior shaving-brush (replacing present issue), 30s. doz., tax 331 per cent.,

i.r.p. 4s. 6d.

COAGULANTS AND ANTICOAGULANTS

At the second evening meeting of the session of the Scottish Department of the Pharmaceutical Society in Edinburgh recently. Mr. ERIC THORPE, B.Sc., B.Pharm., Ph.C., read a paper on blood coagulants and anticoagulants. Mr. C. G. Drummond (chairman of the Executive) presided. An abstract of the paper is

given below:-The phenomenon of blood coagulation is important in controlling hæmorrhage and maintaining the integrity of the vascular system. By combining solutions of purified thrombin and fibrinogen, a liquid mixture is obtained which will clot within a time that may be controlled by varying the concentration of thrombin, and the tensile strength of which may be increased by raising the concentration of fibrinogen. The clots so formed have been used to suture severed nerves by a process of "soldering," while films of fibrin, in appearance like transparent tissue, have been used in brain surgery as an artificial dural membrane (eventually replaced by fresh dural growth). Fibrinogen solution is also used to produce "fibrin foam," which absorbs almost its own volume of thrombin solution, and is applied in conjunction with that solution as a local hæmostatic in internal surgery. The foam is left in place after the operation and is eventually absorbed. To produce it, fibrinogen solution is beaten to a finely dispersed foam, which is "set" by adding thrombin, and dried from the frozen state. When heated to 130°-170° C., the foam is prevented from shrinking on being wetted.

Heparin

The discovery of heparin, an anticoagulant of considerable therapeutic importance, was made in 1916, during an investigation of the thromboplastic activity of certain phosphatides. One compound examined was found to possess anticoagulant (instead of the expected coagulant) properties. The compound at first believed to be a phosphatide, was given the name heparin from its origin in the liver, but further investigation showed it to contain no phosphorus. It was later also found in many other tissues. By a staining technique, heparin is shown to occur as a granular substance in the mast cells that lie close to the blood vessels of many organs. The cells are most abundant in the lungs and liver, and it is from those organs that heparin is now prepared.

Shown to be the polysulphuric ester of complex carbohydrate, heparin contains carbohydrate molecule built up from number of disaccharide units, the discharide molecule consisting of a gluci onic acid linked to an acetylated gluco mine molecule. Each of the disacchariunits contains four hydroxyl groups, a number of which may be esterified w sulphuric acid. The heparin prepar from liver can be separated into a numb of fractions containing 1, 2, 3 or 4 s phuric ester groups respectively in the d accharide unit, and the higher the p portion of sulphur, the greater is the ar coagulant activity. Heparins obtain from different animals possess different c grees of activity, but as they have a proximately the same sulphur content, t differences are attributed to variations the number of disaccharide units formi the polysaccharide molecule. (The larg the molecule, the greater appears to be t activity). Dosage is expressed in terms units of activity determined by a biologic method.

Physico-chemical Activity

The anticoagulant activity of hepa appears to be related to its physico-cher cal properties rather than to any cher cally reactive grouping in the molecu the numerous acidic sulphate groups i parting a high electric charge. The p sence of a co-factor (apparently part the albumin fraction of the plasma p teins) is essential for the anticoagulant tivity. Heparin appears to prevent co version of prothrombin into thromb and to inhibit the action of thrombin fibrinogen. Although regarded as a pl siological anticoagulant that helps keeping the blood fluid, no significa amount of heparin has been demonstral in normal, circulating blood. Dischar of heparin from the mast cells into blood stream in conditions of pepter shock and in anaphylactic shock suggest that heparin may have some body function as yet unexplained.

Heparin was first used to prevent thrombosis, but later the discovery value that the drug would prevent thrombus from spreading, and wot cause a clot—at least if freshly formed to dissolve and disappear. Heparin is active orally. Its action may be check by intravenous injection of 5 to 10 m sterile I per cent. solution of protam

ulphate. Control is effected by deternining the coagulation time of the atient's blood.

Another new drug used in the prevenon and treatment of thrombosis is dicounarol which, unlike heparin, has no initro anticoagulant action, but acts by inibiting the formation, by the liver, of the rothrombin-B component of the blood. It effective orally. Its principal advantages ver heparin are the greater convenience f oral administration and the fact that he compound is relatively cheap. Its most erious disadvantage is risk of overdosage, vith resulting hæmorrhage. A given dose auses highly variable effects in different ndividuals and there is a latent period f up to seventy-two hours between adninistration and the appearance of the ffect. Repeated doses of dicoumarol have cumulative effect that may lead to overlosage, and it is therefore dangerous to rive dicoumarol treatment without a careul daily check on the prothrombin level of the blood. The effect may be arrested by administration of a massive dose of nenaphthone (75-100 mgm.) or by a ransfusion of blood (preferably fresh). Liver damage renders the patient more senitive to the action of dicoumarol, while he administration of sulphonamides or alicylates may further depress the prothrombin level of the blood. Heparin may with advantage be administered prior to dicoumarol to produce an immediate anticoagulant effect, dicoumarol being used in the later stages of treatment,

Hæmophilia

The exact cause of the incoagulability of hæmophilic blood is not fully understood, but one factor appears to be a greatly increased stability of the thrombocytes preventing the normal liberation of thromboplastin. Since the missing factor here is thromboplastin, the most effective treatment of a local hæmorrhage is to apply a preparation containing thromboplastin. Such a preparation is available in the venom of the Russell viper. The venom is applied locally, and must never be injected intravenously, as it would cause intravascular clotting.

Another type of hæmorrhagic condition is caused by deficiency of vitamin K—a substance that may stimulate the liver to produce prothrombin or may itself be a constituent of thrombin. A pure form of vitamin K, isolated in 1939 from Lucerne, was named vitamin K₁. Another

active compound, vitamin K2, was extracted from fish-meal, while a third, phthiocol or vitamin K3, originally isolated from tubercle bacilli, has only slight activity and, unlike vitamins K1 and K2, is watersoluble. When the chemical constitution of these compounds was elucidated a number of synthetic analogues with vitamin-K activity were produced. The natural compounds are derivatives of naphthoquinone having a methyl group in the 2-position and either a long side-chain in the 3-position (as in vitamins K₁ and K₂) or a hydroxyl group (as in phthiocol). An intact benzene ring in the molecule is essential for activity. If the ring is substituted, activity is lost. The 2-methyl group is also essential, but the side-chain, the hy-droxyl group in the 3-position, and the quinone structure are not (hydroquinones are almost equally active).

Vitamin K may be synthesised by bacteria in the large intestine. Lack of bile in the intestine may result in inadequate intestinal absorption of vitamin K while the administration of sulphonamides, by interfering with the bacterial synthesis of vitamin K in the intestine, may also pro-

duce deficiency.

Discussion

Replying to Dr. Moon, Mr. Thorpe said that there was little information about the method of elimination of dicoumarol, but it did not appear to be excreted by the kidneys. Utilisation and distribution took place very slowly. The possible toxicity of even small doses could only be guarded against by establishing a balance between administration and elimination, and that could only be done by maintaining a constant check on the prothrombin level or the coagulation time of the blood. He told Dr. D. McCall that dicoumarol, when broken down, might yield salicylic acid as one of its products. The reason for the delayed action of dicoumarol might be due to the formation of another substance, which might be the active princi-ple. The delay was certainly not due to delayed absorption.

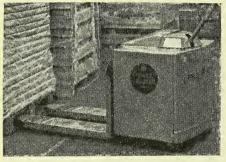
Dr. Percival proposed a vote of thanks to the lecturer. As a carbohydrate chemist, he said, he was interested in heparin. Seaweed was found often to contain complicated carbohydrate sulphates, and Charles and Todd had found that Irish moss (which contains about 20 per cent. sulphate) had quite a strong heparin reaction, though it had proved to be very

toxic.

WORKS TRANSPORT AND STORAGE

Hygienic Cloakroom Storage.—A new system of clothes storage, the Hy-gard-all, patented and manfactured by James Sieber Equipment Co., Ltd., Africa House, Kingsway, W.C.2, consists of numbered separate steel hangers suspended from steel frames which may be arranged in single or double tier installations according to circumstances.

Progress in "Palletisation." — The essence of the pallet-truck system of transporting goods from point to point, usually within a works, is that the goods are stacked upon small wooden false floors or "pallets," under which the projecting forks of a power-operated truck can enter. The forks are raised to lift the pallet from the ground, and pallet and load are borne away together. Lansing Bagnall, Ltd.

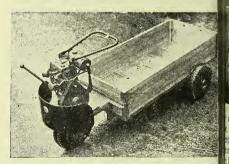


Worton Road, Isleworth, Middlesex, claim to have produced the first all-British poweroperated pedestrian-controlled pallet truck. The standard model has a turning radius of only 40 in., a maximum capacity of 4.500 lb., and weighs only 10 cwt. The forks are 36 in. long and 27 in. wide. An alternative platform version is also made: incorporating a new electric circuit, the vehicle is ideal for female and junior operators. Twist-grips control the speed of movement, a finger-switch gives forward or reverse, and a small key switch immo-bilises the vehicle. To apply the brake the operator raises the handle to the vertical or lowers the handle to a horizontal position. A safety device automatically operates the brake in the event of the operator slipping and losing a hold on the handle. The vehicle has a built-in battery-charger with plug-in to mains. When fully loaded it will negotiate gradients up to one in twelve. — An extension of the palletisation principle is made possible by a tru recently introduced by MATLING, LTD., Ossington Street, London, W.2, and show for the first time at the Mechanical Han ling Exhibition in 1948. The Matling pa



to be made at acute angles. It wor with any standard-gap pallet, can be use with safety on any floor (owing to its ligh ness), and is effective even in quite r stricted spaces.

Lightweight Motor Truck.—Wessex Industries (Poole), Ltd., Dolphin Work West Street, Poole, Dorset, are introducing a new Wrigley light-weight motor truch the Wrigley, especially for industrial undetakings for which heavy and costly equipment is beyond the reach. The truck has



a 1-h.p. Villiers air-cooled petrol motor with adjustable governor to control engin speed. The petrol consumption is less that one pint per hour under normal condition and load (tank capacity, four pints).

RECENT B.I.O.S. REPORTS

rorts dealing with the German chemindustry recently issued by the British elligence Objectives Subcommittee inle the following:—"The Manufacture Papaverine in the French and American es of Germany" (pp. 45, 5s.), dealing the manufacture of the compound at Merck, Darmstadt, Hoffman la Roche, nzach, and C. H. Boehringer Söhne, der Ingleheim; "Glycerogen—A Subte for Glycerin" (pp. 19, 2s. 6d.), ling with the production of I. G. Farindustrie of a mixture of polyalcohols luding glycerin 40 per cent., and prome glycol 40 per cent.) by the catalytic uction of invert sugar with hydrogen ler pressure; "Production of Synthetic ty Acids" (pp. 31, 3s.) describing the cess used by I. G. Farbenindustrie, pau/Rhein, and Deutsche Fettsäure-

werke, Witten/Ruhr, based on the oxidation of paraffin wax. The interrogation of Professor Schaumann by Drs, F. Bergel, F. Wrigley, and Mr. R. Higson, published as Final Report No. 116 (Supplement) (pp. 12, 18. 6d.), shows that from the results of limited investigations N-(γ:γ-diphenylpropyl) piperidine possessed some anæsthetic properties.

Information given by Dr. G. Schrader (a German insecticides worker) during interrogation by members of the British Intelligence Objectives Subcommittee has been published as a final report. The report deals with the chemistry and method of manufacture in Germany of phosphorus-containing insecticides including Bladan, T.E.P.P. and E.605, and mentions work done on DDT substitutes (since DDT was patented), and other insecticides.

FIRST MEETING OF ADVISORY COMMITTEE



the Ministry of Health on March 4 r. F. Messer, M.P. (chairman of the ntral Health Services Council) gave a prt address of welcome to members of e Pharmaceutical Advisory Committee (a mmittee responsible to that Council), ne committee then elected its chairman d vice-chairman and proceeded to busiss. The proceedings were private. The ustrations show (1) Elected members of

the Committee with the permanent secretary (Mr. F. F. Marchbanks). Front row, left to right: Messrs. John Gilmour, R. H. Henriksen (vice-chairman) W. J. Tristram (chairman), F. F. Marchbanks, J. O. Davidson and J. C. Hanbury. At rear, Professor E. J. Wayne (a member of Sheffield Regional Hospital Board), Mr. J. Barclay Hough, Dr. C. H. Hampshire, Dr. P. J. Gibbons (a general practitioner), Messrs. G. A. Mallinson, Paul Dobson, D. E. Sparshott and Hugh N. Linstead. (2) The secretary, chairman and vice-chairman with the Ministry of Health observers Sir Weldon Dalrymple-Champneys and Dr. H. Davis.

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L. GLI MARCH 12, 1949 No. 3003

Taxability of Bed-pans

HEN is a bed-pan not a bed-pan? The estion is prompted by a recent ruling of Commissioners of Customs and Excise it inflatable rubber bed-pans are chargee with purchase tax at $66\frac{2}{3}$ per cent., hough Purchase Tax Notice No. 78 indes among exempted items (under oup 11) "bed-pans and urinals designed the use of a recumbent patient." The ing is apparently not due to rubber bedns being considered less suitable than er types for the use of recumbent tients. The reason (and the answer to r original question) is that a bed-pan is t a bed-pan, for tax purposes, when it is bable of being used as a cushion. There ve been instances, it seems, where rubbed-pans have been sold tax-free as ostitutes for cushions, which are taxable. prevent further such evasions, inflatable I-pans have now been declared subject purchase tax. It is the rule of the Comssioners (see Purchase Tax Notice No.) that the tax liability of an article "is termined by reference to the character of e article itself and not by reference to the rticular purpose for which it is bought." rely it is reasonable to interpret this as aning that a rubber bed-pan is a bedn, without reference to the use to which purchaser intends to put it. In adminiring so unpopular and unwieldy a tax purchase tax, the Commissioners may rhaps be forgiven for taking an uncharitle view of human nature, but their ruling this case seems unnecessarily unkind.

Inflatable bed-pans are no luxury to patients—for instance, sufferers from some painful disease of the rectum—who are unable to use those made of rigid materials. It is to be hoped that the Commissioners will see fit to amend their ruling and, even at risk of leaving a loophole for some slight degree of tax evasion, again permit the supply of inflatable rubber bed-pans to patients free of purchase tax.

Use and Abuse of the Tooth-brush

Some 2,000 families participated in a survey conducted recently by American dentists into the use of tooth-brushes in American homes. It will be recalled that, in a survey conducted (also in America) some years ago, it was shown that less than half of the inhabitants used a toothbrush regularly. Of over 8,000 toothbrushes received in the new survey, 6,500 were found to be unsatisfactory on account of such defects as bent, broken or matted bristles. The average number of brushes per family was 4.2, a figure indicating that each member of the family owned a toothbrush, but examination of the brushes suggested that many of them were being used for purposes other than brushing teeth. More than 8 per cent, "could no longer be effective implements in hygiene of the mouth" and some 2.000 brushes were unsatisfactory because of caked dentifrice and food debris at the root of the bristles. The "Journal of the American Medical Association" suggests in an editorial article (January 8) that there should routine inspection of tooth-brushes - like that given to "oil heaters and other domestic devices." Care of the should include thorough cleansing and drying. Meanwhile, the "Journal" comments upon a lack of evidence that regular brushing of the teeth prevents other dental or disturbances. Whether evidence of that kind should be forthcoming or not in the future, the habit of brushing the teeth will, we think, continue to be regarded as, on balance, valuable, if only for its cosmetic effects. That users tend to retain their brushes too long -if it applies, as it probably does, to Britain also - seems remediable by judicious propaganda by manufacturers.

Kenya's Pyrethrum Production

THE introduction of new synthetic insecticides has rather overshadowed pyrethrum, which still remains the most important insecticide that is non-toxic to warmblooded animals, Chrysanthemum cinerariæfolium, Visiani (Compositæ), the Dalmatian insect flower, or pyrethrum, was first grown on a substantial scale in Japan, and that country, shortly after the war of 1914-18, rapidly built up its position as the leading world producer. In the late nineteen-twenties, however, pyrethrum was introduced into Kenya, where it was found that the soil and climatic conditions, which favoured almost continuous flowering, also produced a much higher pyrethrin content in the flowers than in those grown in other countries. Production increased rapidly in the years immediately prior to the second world war, and although in 1937 Kenya exported only one-ninth as much as Japan, by 1939 it had almost drawn level (2,800 tons).

The outbreak of war was responsible for Kenya's pyrethrum crop assuming even greater importance, and after the attack on Pearl Harbour it became the sole largescale exporter. The demand for the product for anti-malarial work so increased, that by 1945 exports had risen to 5,400 tons. Small quantities were also grown in the neighbouring colonies of Uganda and Tanganyika. Such was the importance of the crop that, at the request of the British Ministry of Supply, the Kenya Pyrethrum Board came into being. The Board, a statutory body, includes representatives of growers and of the Government, and during the war supplied large quantities of seed for planting in other suitable areas to meet the greatly-increased demand.

Before 1939 the bulk of the crop was exported to the United States for processing, and a standard was set of a guaranteed minimum pyrethrin content of 1.3 per cent. From January 1943 the British Ministry of Supply offered to purchase at a fixed price the total East African pyrethrum production. The offer was accepted and Britain bought the whole of the output until 1947. During 1947, stocks began to accumulate and production was voluntarily curtailed, compensation being

paid to growers, In January 1948 a freworld market was created for pyrethrur though the Kenya Pyrethrum Board remained the only body to which growe could sell their produce. Pyrethrum is valuable dollar-earning commodity; eports in the last twelve years to the dollarear were valued at over £5 millions. If the end of 1948 it was reported that Kenyhad negotiated a favourable price for pyrethrum with the United States and that the demand was likely to exceed supply.

Meanwhile, research is continuing Kenya to develop improved strains of tl plant, and into the problems of packir and transporting pyrethrum. A new e tract plant now in operation in Nairobi reported to be capable of turning 1,20 tons of flowers into extract in a yea which development will lead to a substatial reduction in freight charges. I Britain new uses for pyrethrum are beir investigated, and it has been shown, recently, that the product is suitable for use a protective agent for stored foodstuff

FIFTY YEARS AGO

Competition and Monopoly (From the C. & D., March 11, 1899) THERE is a notable article entitled "Th Growth of Monopoly in British Industry in the current number of the "Contenpory Review." The author (Mr. Henry M. Magnetty) W. Macrosty) . . . devotes a page to th combinations among chemists and drug gists. It is not quite clear whether h thinks that the associations he refers the are further manifestations of "the terdency towards monopoly." . . . I the first part of his article he appear to sympathise with the individual trade who is in the course of being crushe by the great company trader; and the when, in his danger, he finds his fee by combination, the writer is alarmed for the consumer's sake. . . . There are grea and real dangers in the growth of thes great businesses, facilitated as it is by ou joint-stock and limited-liability laws. they destroy the individualism of our pre sent trading system, they will sap the lift and energy out of the country. . . . W all see that competition is in many re spects wasteful and cruel; but we are no vet prepared to accept the alternative an enormously magnified Post Office sys tem.

HARMACEUTICAL SOCIETY OF GREAT BRITAIN

MEETING of the Council of the Pharmatical Society of Great Britain was held London on March 1 and 2, Mr. H. ment Shaw (president) in the chair. He nounced with profound regret the death Mr. Thomas Guthrie, Glasgow (a former asurer and vice-president of the Society). A. A. Meldrum, paying tribute to Mr. thrie, said he had been a guiding light pharmaceutical affairs, not only in Scotd. Mr. A. R. MELHUISH added his oute, and the Council stood in silence.

nual General Meeting

THE SECRETARY announced that it was ught advisable, in the light of experience ned at the 1948 annual general meeting, start the meeting at 10 a.m. instead of a.m., so as to give the extra time needed finish counting the votes. The date of

meeting was May 18.
A letter was also received from the secary of the Pharmaceutical Society of uth Africa announcing the fourth annual eting of its general council in Durban, ril 25-28, and inviting any member of Council in London who might possibly visiting South Africa to attend. Mr. W. MAPLETHORPE said that he hoped sail in a short time for South Africa, d as he would be in Durban at approxitely that date, he would be happy, if Council so desired, to visit the South ican Society and tell them something out pharmacy in England. A letter from British Broadcasting Corporation inated that the practice of broadcasting names of lost drugs would be disconued in the London police district; it was reed to suggest that the change might be ended to the whole country. Mr. Maplethorpe, presenting the re-

rt of the Education Committee, drew ention to a recommendation that a arter Travelling Scholarship, in 1949-50, ould be awarded to Joan Mary Rhodes, Pharm., Ph.C., Worthing, to enable her study conditions of pharmaceutical prace in Denmark, and to Robert Guest ker, Manchester, after attaining his sc. (Pharm.) degree, University of Manester, to enable him to undertake studies New York. The Committee felt that Council should take a close interest the scholarships, and follow up the

rk done by those candidates.

Mr. Melhuish asked how, and Mr. APLETHORPE replied that details had not en worked out, but he thought that a

senior official of the Society, Mr. Linstead or Mr. Adams, would, under the general instruction of the Council, communicate with responsible people in Denmark and in the University of Columbia.

The Committee recommended that every teacher and examiner should receive a copy of the Report on Revision of Syllabuses for Pharmaceutical Chemists, and that they should each report back to the Education Committee. When their observations had been received, a meeting would be held consisting of the teachers who attended the original meeting, and of the Education Committee, to finalise the syllabus. He thought it was fair to say that never had so much care been taken to ensure that a syllabus appropriate for its

purpose would be obtained.

MR. F. C. Wilson hoped that when the ·syllabus was published for distribution to candidates and to students it would be much fuller than the suggested syllabus to students. Merely to give headings was placing the student absolutely at the mercy of the teacher. Mr. MAPLETHORPE replied that it had never been customary to give full and detailed syllabuses to stu-The students were given the basic syllabus, but teachers naturally were given a working syllabus to which examiners worked. Mr. Wilson observed that the syllabuses in the past had given considerably more information than was suggested folder before members. MAPLETHORPE said that he hoped the Council would not embark on a discussion of the matter until teachers and examiners had sent in their final observations. In next putting forward a recommendation "That the notice of intention to revise the regulations to include mathematics in the Intermediate examination be withdrawn, and no further action taken" (the recommendation was agreed), Mr. MAPLE-THORPE stated that three committees had considered that mathematics of matriculation standard was high enough. pharmaceutical chemistry committee, which took the view that a higher standard of mathematics was called for, thought the committee could itself undertake the teaching to that higher standard.

British Pharmaceutical Conference, 1949

The report of the Conference Executive stated that the programme for the Black-pool meeting of the Conference had been provisionally approved. Besides

and symposium sessions and Branch Representatives' meeting, arrangements had been made for an attractive series of excursions, including a whole-day trip to the Lake District. The social functions would include a civic reception. The Executive expressed warm appreciation of the action of the Council of the Society in repeating its grant of £500 (see p. 335) The Council decided to extend invitations to representative pharmaceuti-cal organisations in Canada, South Africa, Australia, New Zealand, Pakistan, India, and Ceylon to send two representatives each to Blackpool as guests of the Society.

Branch Representatives' Meeting

The Organisation Committee reported that the Liverpool Branch had agreed to

its resolution as follows:-

That it is the opinion of this meeting that it is not in the public interest that inspections of records and premises under the Dangerous Drugs Acts should be in the hands of the police departments. That the necessary representations should be made forthwith with a view to the transfer of these duties to the Pharmaceutical Socie y of Great Britain,

The Worthing Branch did not consider that any useful purpose would be served by amalgamating its motion with that of the Woking Branch, and it was agreed that it should be left to the meeting to decide whether the two motions should be taken together or separately.

Brunswick Square Building

Mr. Granville Shaw presented the report of the negotiating committee on the proposal to sell the Brunswick Square building to the University of London. The Committee recommended that subject to confirmation by a special general meeting of the Society, the sum [not disclosed] offered by the University for the purchase of the building should be accepted. The recommendation was approved, and it was agreed that a memorandum on the proposed sale, for submission to the special general meeting on a date to be fixed, should be published in advance of that meeting. The Committee also recommended that the Society's negotiators should be constituted a committee to investigate the question of a new headquarters and to make recommendations. Council agreed.

Dangerous Drugs in Hospitals

A reply was received from the Home Office to the Society's representations on aspects of the Dangerous undesirable Drugs Regulations, 1948, in connection

with the control of such drugs in hospit The letter intimated that the Departm shared the view of the Society that relevant provisions widened the scope the provisions hitherto in force under h pital exemption orders, in regard to employment as dispensers of persons of than pharmacists. As this was not intention, the Home Office, after furt consultation with the health departme proposed to modify the regulations. was also proposed to clarify the issue garding ward stocks.

Index of New Products

The Organisation Committee repor that applications had been received for two branches for the supply of the In of New Products for branch use. committee felt that it was not the d of branch secretaries to make availa the information contained in the Inc and the Council approved the committ recommendation not to supply the In free of charge for that purpose.

It was resolved to approve the des of Bachelor of Pharmacy, University Nottingham, for the purposes of exempt from examination in pharmaceutics, pl macognosy, pharmaceutical chemistry physiology in the Pharmaceutical Chist Qualifying examination.

Society and School of Pharmacy
THE PRESIDENT, noting that the me orandum and articles of association the School of Pharmacy had been receive pointed out that the Society had r formally ceased to be responsible for School. He thought that, within the r twelve months, the Council might it opportune to consider its education grants and the related question of scho They might wish to increase Society's grants, and a larger part mi take the form of scholarships.

Registrar's Report

THE following are among details recor in the report by the registrar of the Soc

on the year 1948.

In enforcement of the Pharmacy during 1948 there were nineteen c involving lack of qualified supervision the part of authorised sellers of poist "Nevertheless, as the total number shops registered is over 14,000, the genstandard of observance of legal requ ments in this respect is high." In instance a superintendent pharmacist proceeded against in respect of aiding abetting the offences committed by

npany. Premises registered at the end 1948 showed an increase of approxitely 250 over the previous year, but total number was nearly 1,000 below e 1940 figure. An increase in the numr of branch shops in which the sale of ugs is not a substantial part of the busiss (i.e., those registered under Section 1 the Pharmacy and Medicines Act, 1941) s brought about by the more general troduction of drug departments by co-erative societies. The appointment of further 300 superintendents by corporate dies continued a trend noticeable during cent years. Certain amendments to the isons Rules were introduced. "The ovision that bottles used for poisons all be fluted vertically with ribs or ooves is being shown in practice to fall ort of providing the safeguard intended, nce containers are appearing on the mart in which the ribs or flutes have lost

the significance intended by the Poisons "Pharaoh's serpents" appeared in commerce in boxes of indoor fireworks, and queries were received from local authorities throughout the country, the articles containing mercury thiocyanate. The Society was placing the facts before the Poisons Board.

The number of apprentices or students registered in 1948 was 726 (1947: 828). During the year persons who registered after passing the Chemist and Druggist Qualifying examination numbered 493, after passing the Pharmaceutical Chemist Qualifying examination sixty (net). persons were restored to the register. Names erased for various reasons totalled 693, making a net increase of 142 to 25.448 (1,866 pharmaceutical chemists and 23,582 chemists and druggists). Registered premises totalled 14,656 (14,405 in 1947) with 4,367 branch shops.

EXAMINATION RESULTS

TE following candidates were ccessful in the Chemist and ruggist Qualifying examination ld in England and Wales in nuary by the Pharmaceutical ciety: -

idjan, J., Dundee iley, P. H., Uxrridge we, J. S., Guildford avies, R. G., Kidwelly avis, T. J., Tunbridge Wells des, A. C. V., Eltham ower, J. E., Kettering aunt, R. W., Bolton ibson, W. J., Carmarthen lass, A., Salford rant, T. A., Newmarket aworth, R. T., Kidderminster ill, G., Sale phnson, S. A., Birmingham ones, R. E., Talsarnau nes, R. E., Talsar anzon, C., Valletta atham, Betty, Smethwick facEwen, D., Fort William fillion, G. H. H., Fleet fottram, J. C., Maidstone fukle, P. B., Shepherds Bush furray, T., Oldham ace, Patricia A. I., Walsall ack, R. G., Holbeach ummers, R. G., Oldham hompson, K. W., Cardiff hurgar, Margarat F. hurgar, Margaret E., Amershamon-the-Hill ombs, L. W. G., Christchurch fomlinson, A. D., Burnley Veaver, Elsie M., Carlisle Vells, A. G., Canterbury Vood, Joan, Wendover Vormwell, H. S., Burnley

the Pharmaceutical Chemist Quali-fying examination held in Eng-Foubister, W. R., Peterhead land and Wales:-

Ashworth, J., Manchester Bryce, D. M., Leicester Bucksey, Molly, Croydon Challen, S. B., Padgate Cox, Gwenda P., Hove Davies, Doreen S., Uxbridge Fairhurst, Elsie O., Manchester Gilbert, R. E., Newport Gilson, M. N., Pontypridd Green, A. S., Nottingham Hember, Mary E., Lee Knowles, Mary L., Lee Knowles, Mary L., Ewell Livesey, D., Huddersfield Lund, Sheila M. L., Manchester McKears, P. A., Derby Marsh, A., Brighton Miller, Audrey, Enfield Penny, C. W., Potters Bar Ridgway, R. M., Scunthorpe Ruscoe, Beryl M., Hitchin Ruxton, D., Nottingham Sheppick, Ida G., Southsea Viggers, Hilda, Kidderminster Wheeler, J. G. B., London Williams, F., Perth Williams, Margaret H. M., Lampeter Wilson, W. J., Carshalton

The following candidates were successful in the Chemist and Druggist Qualifying examination held in Scotland:— Broadburn, E. W., Cleethorpes Caie, W. S., Aberdeen Chadwick, H. R., Leicester

The following were successful in Dickson, W. M., Armadale Fowler, G., Aberdeen Fraser, A. J., Dumfries Hobson, Jean E., Hull Jurowski, W., Edinburgh Lloyd, Mary K. J. P., London Morrison, Margaret, Macduff Murty, Moira, Glasgow Pearson, E., Leeds Rea, N., Blyth, Northumberland Salkeld, Eleanor J., Newcastle-on-Tyne Smith, Elizabeth A., Maryport Walkden, N. P., Leeds

> The following were successful in the Pharmaceutical Chemist Qualifying examination held in Scotland: -

Atherden, L. M., Edinburgh Bell, H., Leeds Briggs, A. H., Halifax Carrie, J., Glasgow Dale, Theo, Sunderland Drake, H. G., Huddersfield Forse, S. F., Bradford Fraser, Hellen S., Inverness Gordon, N., Edinburgh Johnson, W., Hetton-le-Hole Lamb, C. D., Stornoway McConchie, Mary C., Dollar Manners, H. S., Leeds Runciman, Margaret S., Inchture Sharp, Mildred H., Halifax Sherwin, Joan A., Silsden Todd, A., Glasgow Wardropper, H. W., Sunderland Williams, A. R., Carlisle

NATIONAL PHARMACEUTICAL UNION

MEETINGS of the Executive of the National Pharmaceutical Union and of the directors of the Chemists' Defence Association took place in London on February 23, Mr. G. H. M. Graham in the chair.

In reorganisation consequent on the impending retirement of Mr. G. A. Mallinson, the Executive appointed Messrs, R. H. Kemp, M.P.S., F.S.M.C., and J. Wright, Ph.C., Assistant Secretaries.

Mr. E. A. Brocklehurst was congratu-

lated on his appointment as vice-president

of the Chemists Federation.

In a by-election to fill a vacancy on the Executive resulting from the retirement of Mr. H. H. Marshall, voting papers would be issued by March 14, and returnable by noon on March 22, the result being declared on March 23, it was reported.

Weights and Measures Legislation

THE SECRETARY reported that a discussion had taken place at the Ministry of Health on February 4 between representatives of the Ministry, the Association of British Pharmaceutical Industry, Pharma-ceutical Society, N.P.U., Guild of Public Pharmacists and British Pharmacopæia Commission upon a questionnaire submitted by the Board of Trade Committee on Weights and Measures Legislation (and considered by the Executive in January). The meeting had been convened at the request of the A.B.P.I. in the hope of coordinating the views expressed to the Weights and Measures Committee on behalf of pharmaceutical interests. After discussion, the Pharmaceutical Society was left to call a further meeting of interested parties to examine aspects of weights and measures legislation affecting dispensing and wholesale practice. Agreement had been reached that, after pharmaceutical policy had been clarified, representative medical bodies should be contacted.

Prolonged representations to the Ministry of Food that an initial ration credit for soap supplies should be made available for certain classes of newly opened businesses, including retail pharmacies, were reported finally successful. A buying credit to proprietors of businesses opened in recent years without being granted an initial soap ration credit would be available, it was understood, from local lood offices and effective from March 27.

It was agreed to maintain co-operation with the National Chamber of Trade in efforts to secure legislation to protect retailers from loss in the event of purcha tax being removed or the tax-rate reduce without notice.

National Health Service

Further discussions were reported takin place with the Ministry of Heal on difficulties associated with the pr sent requirement that N.H.S. prescription should be sorted into groups according date of issue. It was understood that at change resulting from the discussion would operate only some months ahea The Ministry of Health would be providing, through the Executive Councils, the necessary labels for use in making abundles. It was agreed to press the Ministry of Health to arrange for the return to contractors by Executive Councils. to contractors by Executive Councils (any prescription form on which a di allowed item occurred, so that the con tractor could take steps to recover pay ment from the member of the public whom the disallowed appliance had bee supplied. Negotiations with the Ministr of Health on changes in the Third Scho dule to the General Medical and Pharms ceutical Services Regulations were reviéwed Arrangements were reported complete under which out-patients attending hosp tals and hospital clinics at which ther were no dispensing facilities would b issued with prescriptions to be dispensed b any chemist under contract for N.H.S. pharmaceutical services. The form form (E.C.10.H.P.) would be marked with the name of the issuing hospital or clinic, an the contractor would deal with the pre scriptions in the same way as with E.C. I (doctors) and E.C.14 (dentists) prescription forms. Appliances would be restricted to those included in the Third Schedul to the General Medical and Pharmaceuti cal Services Regulations, but there would be no limitation on supply of drugs by chemists.

Containers Under N.H.S.

A communication from the Ministry o Health stated that a review of present ar rangements for the supply of containers wa essential, owing to expense and a wastage of fuel and labour from non-recovery for re-use of a high proportion of medicine bottles issued. The Central N.H.S. Com-mittee had informed the Ministry that any change in the present arrangements would be retrograde and would diminish the high standard of pharmaceutical service curtly provided, and had reiterated the siderations that had led to the adoption the present container allowance system. presentatives of the Central N.H.S. mmittee would meet Ministry spokesmen the matter.

Chemists' Defence Association

Of claims left outstanding at the preus meeting, three involving alleged dissing errors were reported settled by payments of £16, £2 and £5 respectively. Settlements of three claims arising out of damage to customers' clothing through accidents on or about members' premises were approved, at a total cost of £30. Legal defence had been provided for a member summoned under the Shops Acts for the sale of a lipstick after the general closing hours; the summons had been dismissed under the Probation of Offenders' Act on payment of £1 1s. costs.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

k. H. H. Cowzer (president) was in chair at the February meeting of the uncil of the Pharmaceutical Society of uncil of the Pharmaceutical Society of rithern Ireland. Also present were ssrs. P. R. W. Shinner (vice-president), F. Moore (treasurer), C. Abernethy, H. Boyd, H. P. Crossin, H. W. Gam-; J. McDowell, Walter C. Tate and Irwin, Dr. H. D. Heazley and Profess E. B. C. Mayrs and James Small. cologies for absence were received from essrs. S. E. Campbell, W. P. Ewart and R. Moore, J.P. Mr. William Gorman cretary) was in attendance. cretary) was in attendance.

prrespondence with Ministry

The Ministry of Home Affairs, in a ter replying to correspondence on the pointment of an assistant pharmacist to Belfast Hospital, stated that no action is proposed. It was also reported that e superintendent of the hospital conrned and the Ministry of Health and ocal Government had referred letters om the Council to the Hospitals Authorifrom which no reply had been received. The secretary was instructed to write the Ministry expressing dissatisfaction th the reply and requesting that the atter of the appointment should be gone to more fully.

The examiners' reports on the December 948 examinations were considered. e Final Qualifying Part II papers on nemistry, said Dr. J. E. Driver, a parcularly noticeable feature of most written iswers was the lax way in which structral formulæ had been written; numeris formulæ showed a complete disregard r the ordinary requirements of valency. r. J. T. Shepherd reported that the swers in physiology had maintained a igh standard. Mr. G. Perrins reported at in pharmacognosy the answers had een good and there had been an improvement in pharmaceutics. The general standard of forensic pharmacy showed a good understanding of the subject.

In the Preliminary Scientific Part I examination, Miss M. Clapham reported unfavourably on the answers in biology-botany, and Mr. G. Williams said few candidates distinguished themselves in biology-zoology. He commented: "Some candidates seem to have suffered from incorrect instruction in practical work. This I put down to the shortage of qualified zoologists in certain provincial towns.'

On physics, Dr. R. H. Sloane reported: "In general the answering on the theoretical paper was not up to the standard of the previous examination although it was not so bad as in previous years." On chemistry, Dr. Driver observed: "In the theoretical paper answers that could be given directly from text-book knowledge were much better than those requiring original thought." Several members of the Council said the report of the botany examiner indicated a poor standard from candidates.

Examiners for 1949

The following examiners were appointed for 1949:—Biology-botany, Miss M. Clapham; biology-zoology, Mr. G. Williams; chemistry, Professor H. Brindle and Dr. K. Bullock; physics, Dr. R. H. Sloane; pharmacognosy, pharmaceutics and forensic pharmacy, Mr. G. Perrins; physiology, Dr. J. T. Shepherd.

An appointment was made to a vacancy on the Society's office staff. A report from the committee appointed to consider a questionnaire received from the Committee for the Senior Certificate examination of the Ministry of Education was approved. It was decided to hold the summer examinations during the week commencing Monday, June 20.

BRANCH ACTIVITIES

Physiology of the Cinema.—A talk on "The Physiology of the Cinema" was given at a meeting of the Dundee and East and Central Scottish Branch of the Pharmaceutical Society on February 17 by Professor H. Bell (University College, Dundee). He dealt with optimum distances of the screen from cinema audiences and types of screen. The matt-surface type, the most commonly used, was admirable for colour films, and could be kept in good condition if the surface were occasionally repainted.

Somerset Branch Meetings. message of appreciation was sent to Mr. G. A. Mallinson (secretary, National Pharmaceutical Union) from a meeting of the Somerset Branch of the N.P.U. held at Taunton on February 10. Another message was sent congratulating Mr. H. Noble on his forthcoming appointment as N.P.U. secretary. Mr. C. B. Gosling, who presided, then introduced Mr. R. H. Kemp (secretary, Chemists Federation) who spoke "The Problem of Proprietary Medicines." Further statutory control of pro-prietaries, he said, could be avoided if chemists supported the right type of manufacturer and encouraged their staffs to understand the work of the Chemists Federation. A meeting of the Somerset Branch of the Pharmaceutical Society was held on the same evening, Mr. W. Deacon presiding. Messrs. C. B. Gosling, Yeovil, J. O. Bond, Somerton, and N. F. Maggs, Frome, were nominated to attend the next Branch Representatives' meeting, with Mr. E. H. Rake, Weston-super-Mare, as deputy. £2 118 was collected for the Society's Benevolent Fund.

N.P.U. Chairman Visits Branches. — After recounting his experiences with the Working Party, Mr. G. H. M. Graham (chairman of the National Pharmaceutical Union), addressing a meeting of the Thames Valley Branch of the National Pharmaceutical Union on February 24, described the work of the Union. He threw out a hint that, as the clearing-house was now handling £1,100,000 per month it might be necessary to increase the fee to twopence per account. Answering questions on pricing, he said that work on the January prescriptions would probably have been started by mid-February. Pricing offices that were up-to-date were helping those where there were delays. The system of payment on account would have to continue for some time, but a

chemist who was financially embarrassed could receive prompt payment in full of application to the Pharmaceutical Commit The N.P.U. had been pressing fo better terms for the supply of oxygen, bu the most that could be expected was on shilling per cylinder with $33\frac{1}{3}$ per cent on cost.—Mr. Graham also addressed the Isle of Thanet Branches of the N.P.U. and Pharmaceutical Society at Ramsgate of February 21. Pricing offices had largely been unable to increase their staffs, he said, because of the shortage of suitable labour, but more efficient pricing method were being introduced. A working party was being set up to devise a better system of paying chemists. Mr. Graham paid a tribute to Mr. G. A. Mallinson and said that Mr. H. Noble would prove a worthy successor.

Huddersfield Dinner and Dance.-At a dinner and dance held recently by the Huddersfield Chemists' Association and Branch of the Pharmaceutical Society, Mr. J. F. McNeal (vice-president of the Society) deputised for the president (Mr. H. C. Shaw). Mr. J. H. Tranmer (president of the Association) said that during the first seven months of the National Health Service about 300,000 prescriptions had been dispensed at forty-five pharmacies in Huddersfield at a cost to the Government of £51,000. Proposing "The Society" Mr. Clifford Thompson recalled that the Huddersfield Branch had been formed in 1923. He suggested that Mr. McNeal, during his term of office as president, should have a survey made of the work of branches, with a view to "a little gingering up" where necessary; some branches made very small contributions to the Benevolent Fund. Mr. McNeal, replying, said the speed of the changes in pharmacy since the introduction of the new service had been exceeded only by the number of regulations issued. The whole world was watching the outcome of N.H.S. There were bound to be difficulties and misunderstandings but, with co-operation, many of them, including delay in payment, would be smoothed out. The pharmaceutical profession had done a good job. Dr. Jessie Sheard paid tribute to the courtesy and helpfulness of Huddersfield pharmacists. Other speakers were Messrs. Harold Bradshaw and Malcolm Peel (branch secretary) and Mrs. F. A. Goodall. Mr. Harold Smith was the master of ceremonies.

COMING EVENTS

Monday, March 14

GHTON AND HOVE BRANCH, PHARMACEUTICAL OCIETY, Union Church Institute Hall, Queen quare, Brighton, 1, at 8 p.m. Discussion of notions and nomination of delegates for Branch Representatives' meetings.

RROW BRANCH, PHARMACEUTICAL SOCIETY, Oak tall, Baptist Church, Harrow, at 7.30 p.m. Mr. Harold Dodd, Ch.M., F.R.C.S., on "The Variosities."

RSEYSIDE BRANCH, NATIONAL ASSOCIATION OF WOMEN PHARMAGISTS' Red Cross Rooms, Hackins ley, at 7.30 p.m. Address by Mr. J. J. Murphy, 4.P.S.

TH SHIELDS PHARMACISTS' ASSOCIATION, Dorset Lafe, Ocean Road, South Shields. Address by Dr. J. McKee (a general medical practitioner) ollowed by discussion on constitution of the ssociation.

Tuesday, March 15

DUGH BRANCH, PHARMACEUTICAL SOCIETY, Com-nunity Centre, Slough, at 8 p.m. Lecture and lemonstration on use of make-up by representaive of Max Factor, Ltd.

LVERHAMPTON BRANCH, PHARMACEUTICAL SOCIETY, Chamber of Commerce, Lichfield Street, Wolver-tampton, at 7:30 p.m. Discussion on motions or Branch Representatives' meeting.

Wednesday, March 16

TISH DEPARTMENT, PHARMAGEUTICAL SOCIETY, 16 York Place, Edinburgh, at 7.30 p.m. Mr. H. A. Perkin, B.Pharm, Ph.C., on "Fungicides n Medicine and Pharmacy"; and Mr. David Wylle, B.Sc., and Dr. J. P. Todd, Ph.C., F.R.I.C., on "Measurement of Temperature in Pyrogen Testing."

PTINGHAM BRANCH, NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, Medico-chirurgical Society, 64 St. James' Street, Nottingham, at 7 p.m. Dr. B. Edgington on "Chemical Engineering Aspects of Handling Sterile Medical Products."

VERPOOL SCHOOL OF PHARMACY, 2 Blackburne Place, Liverpool, at 8 p.m. Meeting to discuss plans for celebrating centenary of pharmaceutical education in Liverpool (see C. & D., March 5, p. 314).

Thursday, March 17

Inursday, March 17
UILDFORD PHARMACISTS' ASSOCIATION, Lion Hotel, Guildford, at 7.30 p.m. Films on "The Technique of Heavy Nupercaine in Spinal Anæsthesia," and "Percorten," introduced by Mr. C. W. S. Taylor, B.Sc., F.R.I.C.
ONDON CHEMISTS' GOLFING SOCIETY, Trocadero Restaurant, Piccadilly, London, W.1, 6.30 for 7 p.m. Annual dinner and dance. Tickets (30 seach) from Mr. W. M. Ballantyne, 47 Gray's Inn Road, London, W.C.I.

INSPIELD BRANCH. PHARMACEUTICAL SOCIETY

ANSFIELD BRANCH, PHARMACEUTICAL SOCIETY, Coffee Room, Swan Hotel, Mansfield, at 7.30 p.m. Meeting to establish a social committee. ORTH LONDON PHARMACEUTICAL ASSOCIATION, Frascati Restaurant, 32 Oxford Street, London, W.1, 6 for 6.30 p.m. Annual dinner and dance (tickets 25s. each from Mr. A. E. Footitt, 5 Mountgrace Road, Potters Bar, Middlesex).

LYMOUTH BRANCH, PHARMACEUTICAL SOCIETY, Goodbody's Rooms, Marina Place, Plymouth, at 7.30 p.m. Discussion on motions for Branch Representatives' meeting.

EGISTERED PHARMACISTS' UNION, 17 Bloomsbury Square, London, W.C.1, at 8 p.m. Annual meeting.

WIMBLEDON PHARMACISTS' ASSOCIATION, Town Hall, Wimbledon, at 7.45 p.m. Mr. F. Lewis Watson on "Aspects of the Modern Dispensary: Methods of Rearrangement and Design.

Friday, March 18

BIRKENHEAD AND WIRRAL PHARMACISTS' ASSOCIA-TION, Bridge Inn, Port Sunlight, at 7.45 p.m. "Stag party," Tickets 5s. each from Mr. R. G. Collins, 53 Christchurch Road, Oxton.

LONDON BRANCH, GUILD OF PUBLIC PHARMACISTS, 17 Bloomsbury Square, London, W.C.1, at 7 p.m. Film "Control of Infection in Surgical Dressings.

London Branch, Guild of Public Pharmacists, is organising visits to Allen & Hanburys. Ltd., Ware, on March 30 and April 6. Names to Social Secretary, 105A Albemarle Road, Beckenham, Kent, by March 25.

WOLVERHAMPTON BRANCH, PHARMACEUTICAL SOCIETY, is holding a dinner and dance at the Victoria Hotel, Wolverhampton, on Thursday, April 7, 6.30 for 7 p.m. Tickets, 21s. each from Mr. J. Foster Taylor, Showell Circus, Wolverhampton.

Fifty-year-old Tea Survives.—A tin of Tabloid tea recently returned to the manufacturers, Burroughs Wellcome & Co., London, brings to light a direct link with the Klondike gold rush of fifty years ago. Mr. W. D. MacBride, who sent the tin, writes: "Following the Klondike gold rush of 1897 and 1898 came the railway known as the White Pass and Yukon



Route . . . During the period of survey and construction, various concentrated foods were used. Included in the supplies were a number of cases of compressed tea tablets. In the spring of 1914, during a cleaning out of one of the warehouses, a case of tea tablets was discovered. markings on the case were obliterated but, on opening, the rusted tins of 100 tea tablets were found. The writer salvaged a few and through the years has often used them on hunting and fishing trips with good success." [Issue of Tabloid tea was discontinued by the makers in 1948.]

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

A Prescription Translated

SIR,-Enclosed please find copy of an N.H.S. prescription received by us a few days ago. It set our dispensing department guessing, and the translations were so varied that we refrained from dispensing it until we had conferred with the prescriber. Upon 'phoning we were frustrated to learn that it was his "half-day," and as the patient arrived back soon afterwards we had no option but to explain our difficulty to her. Judge our surprise when she smiled knowingly and said "Just give it to me for a second and I will translate it for you." This she did without hestitation, to our astonishment and relief. Further conversation revealed that she was an executive in the local pricing bureau who was accustomed to this doctor's writing.

SCRIBO.

[The copy prescription was, unfortunately, not suitable for reproduction as a Prescription Problem—Editor.]

Late-night Dispensing

SIR,—I have followed with great interest your leader on the late opening episode at Ashford and Nottingham. You are no doubt aware that Derek Clarke, Ltd., Edgware, are open to 10 p.m. every night, and already others of us are exploring the possibility of similar opening. It seems to me to be absolutely vital that the matter should be dealt with urgently. Otherwise we shall be slipping back to the conditions operating when I was first apprenticed forty-seven years ago and which you so ably described.

Edgware. Horace Wright.

SIR,—I, too, have been interested in the question of dispensing outside normal hours dealt with in your editorial comment (C. & D., March 5, p. 306) and by a correspondent, Goose Fair, on p. 314. It is necessary, however, that the patient's point of view should be also considered both by contractors and by employee pharmacists where obligations contingent upon the provision of a comprehensive service are concerned. When contractors who provide the service, whether large multiples, "co-ops", or limited companies trading as proprietor chemists are concerned, the provision of a service "at all reasonable times" may involve points of some difficulty. I cannot forget the

distress caused to insured persons outside the County of London Area who went the length of contacting me at home to a where their scripts could be dispensed aft 7 p.m. For patients in two areas a journal up to London was necessary. Natural they asked "Why should we have the i convenience and expense involved, especially when we are obviously ill." I have never heard of an employee pharmaci stances, but it must, however, be remented bered, that he is in an invidious position. Some years ago I operated a late rota se vice on the local half-day at great incompared to the second se venience (a return journey of several mil by steam train was involved). In due cours Shops Acts inspector appeared an I was informed of the penalties I was als liable to as an employee. The discussion was stormy. Eventually I appeared before the local Watch Committee with a view t my being prosecuted, with my employe for infringing the Shops Acts. I pointed ou N that the chairman of the Watch Committee #8 should be summoned also—in his two chr mists' shops he had been infringing the Acts for years! The result may be guessed The solution, as I see it, is an amend ment to the Shops Acts empowering local authorities to operate two half-day closing G. H. ARMITAGE. East Barnet.

SIR,—Your editorial comment on Marc 5 (p. 306), under the heading "Slipper Slope," is so calculated to incite the reader that I feel justified in asking tha you publish the facts leading to the action of the Nottingham Co-operative Chemists Ltd., and correct several mis-statement appearing in your article. Initially, advertisements appeared in the local Press tha a certain firm was rendering a late dispens ing service "at the request of the Loca Executive Council." Upon inquiry being made as to why only one contractor had been approached, to the exclusion of al others, no satisfactory reply was forthcom ing. That matter has, of course, been wel ventilated in your columns. Certain city chemists then decided on a non-officia form of rota duty themselves without approaching two pharmacies (one being Nottingham Co-operative Chemists, Ltd.) which had initially been in a proposed Central Nottingham list put forward by the local National Health Service Pharma-

tical Committee. To quote your words, ther their action is in response to a uine need or it is not. If the need sts, then the machinery for dealing with also exists." Yet here we have some -chosen few deliberately ignoring the called machinery, and no comment is de (perhaps your anonymous correspon-nt, "Goose Fair," failed to draw your ention to this 10 p.m. "slippery slope' ture, commenced a month beforehand?). at there has been a public demand for ended dispensing facilities has been nonstrated not only by the Executive uncil's action, but also by the desires the delegates of the 90,000 members of Nottingham Co-operative Society, Ltd., their January quarterly meeting. That mbership is representative of possibly quarter of a million insured persons, or er 80 per cent. of the population of ttingham. It is unfortunate that the estion of ethics should again have been roduced, because the results of extended gotiations with one pharmaceutical conn have yet to be made known. If the nistry of Health decide to include in National Health Service form of conct a clause specifically forbidding all adrtising of National Health Service disnsing services, then the Pharmaceutical ciety will presumably no longer have to ar the onus of deciding this issue. Every re has been taken to ensure that there no suggestion in the announcements of ofessional superiority or less regard elsehere for public welfare. They are simply the effect that the same professional ill is available over a longer period of ne than hitherto. It would seem, sir, that u wish to incite comment and action by ur unfortunate one-sided article; your inrpretation—neatly expressed as unwitting, t inevitable—is sinister, as is your con-uding sentence that "private chemists nnot afford to be passive to such a sugstion." These remarks are invidious and ave one wondering by what code of hics the balance of favour of an editorial nairman is preserved.

J. Britton, Superintendent Chemist, OTTINGHAM CO-OPERATIVE CHEMISTS, Nottingham. Ltd.

[Subscribers may judge for themselves hether our comment was designed to incite" pharmacists to anything except out action and decent working conditions, and away from extreme individualism and ne-sided action. After reading our correspondent's letter and re-reading our own

remarks we have failed to detect the misstatements to which he refers. The "request of the local Executive Council" was admittedly mentioned in a Press announcement by one of the late-openers, but our information is that it was subsequently repudiated by that Council. Whether the demands made by members of a Co-operative Society upon its management committee are "public demand" is a moot point, but it still does not affect our state-ment "no evidence is forthcoming, either in the correspondence columns of the Press, or in reports of Executive Councils, that [demand] has been anywhere voiced." Finally, the fact that machinery has been ignored, no matter by how many parties, is no evidence that it does not exist and could not be made to work. Our correspondent's whole letter is an illustration of what begins to happen when one contractor takes independent action disregarding others on the panel.—Editor.]

Banana Cure for Snake-bite

SIR,—With reference to the article on banana as a "cure" for snake-bite (C. & D., January 15, p. 79), I am able to assert that the cure has been known to the natives of Southern Brazil for years. When I was farming in the State of Rio Grande do Sul, the most southern part of Brazil, from 1924 to 1927, I was informed of all sorts of palliatives, including banana. First-aid treatment comprised lancing of the bite and rubbing in crystals of per-manganate of potash. Then a thick banana stem was cut, split into sections and crushed between the wooden rollers of the customary sugar-cane mill, usually driven by oxen. A dressing of the crushed material was immediately applied to the wound and the patient was made to drink at least a pint and a half of the extracted juice. The remedy did not provide any instantaneous relief from the considerable pain experienced by the unfortunate victim, but within about twenty-four hours the swelling did subside and, after another day or two, the patient was out of danger-unless the bite was from a coral or rattle snake-and able to do light work. During my stay in Brazil I never heard of any animals having been treated in this way, but when in Africa in later years I lost two young antelopes from snake-bite. Both animals were pets of my children. Owing to the difficulty of applying a dressing to wild animals our banana cure in this case failed.

H. A. TREVIRANUS. Rinteln am Weser, Germany.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quant ties of standard quality. Prices of crude drugs and essential oils vary as to brand or grade and

28 Essex Street, W.C.2, Mar. 9
The markets for Pharmaceutical and Fine Chemicals have been rather quiet during the past week, with home-trade inquiry small in volume and confined to a relatively narrow range of seasonal products. The general level of prices is maintained although in export markets it is evident that more competitive conditions are developing. A good request for Salicin is being received but supplies are very difficult to procure and there is no prospect of improvement in the near future. Inquiry for Crude Drugs has been restricted again to a small number of commodities. A good call has been received for first-quality Chinese Rhubarb and business has been done at 4s. 9d. per lb., duty paid, for rough round with a four-fifths pinky fracture. Portuguese Ergot is tending firmer on the spot with higher prices quoted at origin. New-crop Buchu, short rounds, is offered at 3s. 9d. per lb., c.if. Cascara Sagrada is a weak market. Balsam tolu on spot is now offered at 11s. 6d. per lb. Sumatra Benzoin is firmer on the spot. In Spices, African Ginger continues firm at 95s. per cwt., spot, and higher prices are asked for the Jamaican root. No improvement is reported in the supply position of Cardamoms; with the current high prices in India there is little inducement to import this article. Nutmer is an easier market. Menthul on the spot is showing a firmer tone; the position in Brazil is understoo to be difficult with no offers for shipment. Fair quantities of menthol are reported to have been sold for January-March shipment from origin.

The markets for ESSENTIAL OILS continue inactive. Prices are little changed on the week. Java CITRONELLA is firmer. EUCALYPTUS remains a weak market.

The following changes are made in the controlled prices of unrefined oils and fats allocate 1 to primary wholesalers and large trade users during the four-week period ending April 2:—LINSEED OIL is reduced from £185 to £170 per ton; linseed oil foots is reduced from £135 to £120 per ton. CASTOR OIL, firsts, is now £170 (previously £142) per ton, and seconds, £166 (£135) per ton.

U.S. Drug and Chemical Report New York, March 4

The current level of trading in the Pharmaceutical and Fine Chemicals markets is considerably below that of March 1948. Demand from abroad for Ephedrine has declined and home inquiries are much below normal levels for this time of the year. Chloral hydrate prices were advanced during the week; rates are now

from \$1.05 to \$1.10 per lb., representing 15 cents increase and the first rise in price for ten years. In Crude Drugs marked buyers are showing little interest and an not impressed by the repeated warnings oprobable shortages in the months ahead purchases are restricted to immediate requirements. New arrivals of Menthe from Brazil, and reports that further consignments are on their way from Chinch have brought about easier conditions in the market, and it is expected that the down ward trend will be further extended. Current quotations are at \$8.55 per lb. agains \$3.65 a week ago. IPECACUANHA has bee a firmer market and is currently quoted \$4.30 per lb. Food and Drug Administration detentions during the week include more than 2,000 bales of CASSIA and 20 bags of Ergot. Carnauba wax turne firmer during the past week following a announcement by the Brazilian authoritic of a minimum price for the chalky grade. Trade in Essential Olls has bee

rather more active during the last few day and there are indications that the mark is entering a steadier period. Synthetic and IsoLates are generally in good suppl and more interest has been displayed.

recently.

Pharmaceutical Chemicals

ACETANILIDE.—Steady. Quotations fo 1-cwt, lots in kegs are at 2s. 3d. per ll for crystals and 2s, 4d. for powder.

ADRENALINE.—B.P. is quoted from 3s. t 3s. 6d. per gm. for natural and 2s. t 2s. 6d. for synthetic; racemic, 2s. per gm BENZOCAINE.—Supplies are available a around 35s. per lb.

Benzoic acid.—Makers' quotations fo pharmaceutical quality are from 2s, to 2s, 10d, per lb., as to quantity. Sodius benzoate is available at the same prices.

Bromides.—Steady. Current reseller rates per lb. for Potassium in quantitic of 28 lb. to 1 cwt. (containers in brackets are as follows: 3s. 5\frac{1}{2}d. (1-lb.) 3s. 4\frac{1}{2}d (2-lb.), 3s. 4d. (4-lb.), 3s. 3d. (7-lb.) 3s. 2\frac{1}{2}d. (14-lb.), 3s. 1\frac{1}{2}d. (28-lb.). In bull makers quote 1 cwt. at 2s. 7d. per lb. an 5 cwt. at 2s. 6d. Powder is 2d. per lb extra. Sodium is 1\frac{1}{2}d. per lb. less that above rates; Ammonium is \frac{1}{2}d. per lb. morthan above rates. Terms are net; carriage paid on 1-cwt. lots in U.K.

Chloroform.—Steady. Makers' price for 1-cwt, lots in winchesters is 3s. 2d. pet lb.; 56-lb., 3s. 2d.d. In drums, prices are 3s. 0dd. and 3s. 1d. per lb. respectively.

CITRIC ACID .B.P.—Steady. Maker quote 1s. 5½d. per lb., less 5 per cent. foll-cwt. lots. delivered in the United Kingdom.

YCERIN, B.P. - Prices are steady. ent rates per cwt. are as follows:-

tracts spot s of	Under I cwt.	i cwt. and under 2½ cwt.	and under	5 cwt. and under 10 cwt.	and under			
imum ries off ract of		ı cwt.	I cwt.	ı cwt.	2 cwt.			
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us rt rt	=	136 o	135 0 133 0	132 0 130 0 129 6	131 0 129 0 128 6 128 0			

n and under 5 tons (minimum deliv-off contract of 5 cwt.), 14-lb. tins, ;; 28-lb., 140s. 6d.; 56-lb., 138s., t. drums, 127s.; 2½-cwt., 125s.; 5 cwt. . 6d.; 10-cwt., 124s. 5 ton and up-ls (minimum deliveries off contract of wt.), 14-lb. tins, 141s. 6d.; 28-lb., 139s.; 5., 136s. 6d.; 1-cwt. drums, 125s. 6d.; wt., 123s.; 6d.; 5-cwt., 123s.; 10-cwt., 6d. Extra charges are leviel for ller deliveries, ex contract, from 6d. to per cwt., according to quantity. pale straw industrial glycerin is 5s. cwt. less than chemically pure. Terms: riage and delivery paid. A discount of per cent. is deducted if paid in one th, or on buyers' regular monthly pay in the month following delivery; afterds net. Tins an l cases free (not rnable). Drums loaned and invoiced at rs' current rates and credited in full if rned within four months, carriage ford and in good condition.

IYPOPHOSPHITES.—Makers' rates per lb. 7-lb. lots are: Ammonium, 9s. 3d.; rium, 6s. 3d.; Calcium, 4s. 11d.; Iron, 4d.; Magnesium, 7s. 9d.; Manganese, 5d.; Potassium, 6s. 1d.; Sodium, 5s. 7d. ACTATES. — Current quotations are: CIUM, 2s. $2\frac{1}{2}$ d. to 2s. $10\frac{1}{2}$ d; CALCIUM IUM, 3s. 3d. to 3s. 11d. per lb.

fercury salts.—Makers' rates per lb. 1-cwt. lots are: Ammonium chloride, lump, 7s. 8d., powder, 7s. 10d.; Low oxide, B.P., and Red oxide, C. 8e. 4d. Blowney R.P. lump, 2. OXIDE, B.P., and REP., lump, Ss. 4d. BICHLORIDE, B.P., lump, C., 8s. 4d. BICHLORIDE, B.P., lump, powder, 6s. 5d.; MERCUROUS CHLORIDE, 7s. 10d. Quotations for small quanes of MERCURY WITH CHALK, B.P., are 4s. 9d., for MERCURIC CYANIDE, 18s. 9d., for OLEATE, B.P., 5s. per lb.

METHYL SALICYLATE.—Current rates are fo'lows: Winchester quarts, 2s. 2½d. per; 56 lb., in demijohns, 2s. 1d.: 1 cwt. in nijohns or carboys, 2s. 0½d.; 5 cwt., 2s.

prices are net.

DXALIC ACID.—Quotations range from s. to 140s. 6d. per cwt., in 1 cwt. kegs. 5-cwt. casks prices are about 5s. per t. less.

Phenacetin.—Supplies difficult. Nominal prices are from 5s. to 6s. per lb.

PHENOBARBITONE. — Current quotations for 28-lb. lots are at 36s. 6d. per lb. The Sodium derivative is available at the same price as the base.

Phenolphthalein. — Steady. Makers' prices are: 1-cwt. lots, 6s. 10d.; 28-lb., 7s.; 14-lb., 7s. 3d. per lb.

Potassium bromate. — Supplies are Quotations are upwards rather short. from 5s. per lb.

QUININE.—In good request. Makers' rates (per oz.) to distributors are given below; additional charges must be added for repacking, etc. Alkaloid, from 5s. to 5s. 6d.; Acetylsalicylate, 6s. to 6s. 6d.; Bisulphate, 3s. 7d. to 4s. 1d.; Dihydrobromide and Dihydrochloride, 4s. 11d. to 5s. 5d.; Formate, 5s. 9d. to 6s. 3d.; Glycerophosphate and Phosphate, 5s. 5d. to 5s. 11d.; Hydrobromide and Hydro-CHLORIDE, 4s. 6d. to 5s.; SALICYLATE, 4s. 8d. to 5s. 2d.; SULPHATE, 4s. to 4s. 6d.; QUININE AND UREA HYDROCHLORIDE is quoted from 4s. 10d. to 5s. 4d.

SALOL, B.P.C.—Current quotations for quantities of 28 lb. to 1 cwt. are from 9s. to 9s. 4d. per lb., according to pack. Prices for larger quantities are around 7s. 61. to 8s. per lb.

SILVER COMPOUNDS.—Home-trade prices, in bulk packing, of Protein, B.P., range from 30s. 6d. to 37s. per lb. VITELLIN, 20 per cent., is 55s. to 63s. per lb.; 30 per cent., 72s. 6d. to 82s. 6d. per lb., according to quantity. Additional charges are made for smaller packings.

for smaller packings.

SODIUM SALICYLATE.—Steady. Makers' price for 1 cwt. is 2s. 7d. per lb.; resellers' rates per lb. (containers in brackets) in the home market as follows: 28-lb. and under 1 cwt. 3s. 4d. (1-lb.); 3s. 3d. (2-lb.) 3s. 2½d. (4-lb.): 3s. 1½d. (7-lb.): 3s. 1d. (14-lb.); 3s. (28-lb.). Net one month.

SULPHANILAMIDE.—Steady. Prices are as follows: 5 cwt., 6s. 3d.; 1 cwt., 6s. 6d.; 28 lb., 6s. 10d.; 14 lb., 7s.; 7 lb., 7s. 9d. rer lb. net: packing extra

per lb., net; packing extra.

SULPHANILIC ACID, B.P.C. - quotations are around 6s. per lb. B.P.C. — Current

Sulphonal.—Quoted from 44s. to 53s. per lb., as to quantity.

Tannic acid.—Current quotations for B.P., levis, ex ether, are from 8s. 6d. per lb.

TARTARIC ACID.—Makers' rates in the home trade are: 10-cwt, lots and over, 200s. per cwt.; 5-9 cwt., 202s.; 2-4 cwt. 204s.; 1 cwt., 206s., delivered.

Terefere.—Quotations from makers for pharmaceutical quality (B.P. 1932) are 3s 2d, per lb. in carboys and from 3s, 3½d, to 4s, 2d, per lb. in winchesters.

THEOPHYLLINE. — Prices of ALKALOID range from 60s. to 65s. per lb., as to quantity: with ethylene diamine (AMINO-PHYLLINE, B.P.) prices are from 72s. 6d. to 80s. per lb.

Crude Drugs

ACONITE.—Steady. Indian, on the spot, is quoted at 275s, per cwt.; napellus, offered at 3s. $10\frac{1}{2}d$. to 4s. 3d., duty paid.

AGAR.—Kobé strip on spot is offering at 15s. 6d. to 17s. per lb.; Yokohama strip is quoted at from 14s. 6d. per lb., duty paid. South African powder, in tins in cases, quoted at 20s. per lb., spot.

Aloes.—Prime Cape on spot is offered at around 110s. per cwt.; shipment, 98s. to 100s. per cwt., c.i.f. Curaçao, in fair request, is offered at from 185s. to 200s. per cwt., as to quality. Socotrine, 160s. to 180s. per cwt., spot.

Antimony.—Metal prices are: 99.6 per cent. regulus, £210 per ton, delivered; 99 per cent., £200; 70 per cent., crude, £165.

ARECA NUTS.—Supplies of Ceylon on spot are offered at about 57s. 6d. per cwt.

ARNICA.—Flowers on spot are offered at prices from 1s. 9d. per lb.

ASAFETIDA.—Persian block on spot is steady at prices from £14 10s. to £24 per

cwt., according to grade.

BALSAMS.—Canada is quoted at 20s. 6d. per lb., on spot. Pará Copaiba (soluble), 4s. 9d. per lb., spot. San Salvador, Peru, 4s. 11d. per lb., duty paid. Tolu on the spot is offered at 11s. 6d. to 11s. 9d. per lb.; shipment, 10s., c.i.f.

BAY LEAVES.—Quotations are steady at from 11d. to 1s. per lb., duty paid.

Belladonna.—Jugo-Slav root is quoted at from 4s. per lb., duty paid, as to test; shipment, 3s., c.i.f. English leaves are offering at 4s. 9d. (0.546 per cent.) per lb.

BENZOIN.—Sumatra block on the spot is tending firmer at from £15 to £16 per cwt., as to quality; Sumatra almonds are quoted at £45 per cwt.

BISMUTH.—Metal is quoted at 10s. 6d. per lb., net, in minimum lots of 5-cwt.

Buchu.—New-crop short rounds for shipment. offered at 3s. 91, to 3s. 10d. per lb., c.i.f.: spot value, 4s. per lb.

CAPSICUMS.—African on spot is offered at from 90s. to 130s. per cwt., as to quality. CASCARA SAGRADA.—A dull market. Quo-

Cascara sagrada.—A dull market. Quotations are from 170s. to 185s. per cwt., duty paid, as to year of crop.

CHILLIES.—Supplies of Mombasa on spot are small and are quoted at 125s, per cwt. Zanzibar is offered at 135s, and Japanesetype at 160s, per cwt., spot.

CINNAMON.—Quiet. Spot quotations for 0000 are at from 2s. 3d. per lb.; quillings are offered at 1s. 2d., featherings at 1s. and chips at 5d. per lb.

CLOVES. — Zanzibar, spot, quoted at 1s. 1d. per lb.; shipment, 1s, 1d., c.i.f. Madagascar, spot, in bond, 10\frac{3}{4}d.; shipment, 10\frac{1}{4}d., c.i.f. Penang, spot, 3s. per lb.

CUBEBS.—Steady. Spot quotations are at 3s, 9d. per lb., duty paid.

Ergor.—Firm. Portuguese on the st is offered at from 5s. 6d. to 5s. 9d., we stocks reduced; shipment, 5s. 9d. per 1 c.if.

GINGER.—African continues firm on stat 95s. per cwt. Jamaican No. 1 is nequoted at 140s. per cwt.; No. 2, 135and No. 3, 130s., spot.

Gum acacia.—Kordofan cleaned sorts the spot, steady at 62s, per cwt.; shipme 55s., c.i.f. Bleached No. 1, 117s. 6d., spc shipment, 90s., c.i.f. Talha, on spot, 4 per cwt.; forward, 38s., c.i.f.

IPECACUANHA. — Spot quotations 1 Nicaraguan or Costa Rican are from 2 per lb.; shipment, March-April, 21s., c.i Matto Grosso, for shipment, 25s., c.i.f.

MACE.—West Indian blade on the spot quoted at 6s. 6d.; pickings, 4s. to 6s. plb., according to quality.

MENTHOL.—A firmer market. Spot offer are from 41s. to 43s. 6d. per lb., duty pa MERCURY.—Ex warehouse, £18 10s. 1

flask; shipment, £17 17s. 6d., c.i.f. U.K. MYRRH.—Aden sorts on the spot a offered at £12 per cwt.; siftings, £6 10s. £7 per cwt.

Nutmeg.—West Indian 80's on the spectrum 2s. 9d.; sound unassorted, 2s. 3d.; wort and broken, 1s. 5d. per lb.

OLIBANUM.—Steady. A moderate inqui but little business done. Fair drop is o fered at 150s., peas at 190s., fair garblin 125s., and siftings at 80s. per cwt., spot.

OPIUM.—Turkish (12 per cent. alkaloid in original cases (170-lb.) is offering on t spot at 5s. 1½d. per unit.

Orris.—Florentine root on the spot offered at 125s, per cwt.; Verona root, spot 105s, per cwt. quoted.

Papain.—Quiet. East African No. white, on the spot, 16s. per lb.; Ceyl brown, 11s. 6d. to 12s. per lb.

PIMENTO.—Quiet. Quotations are'u changed at from 1s. 2d. per lb., spot; arrive, 119s. per cwt., c.i.f.

PODOPHYLLUM. — American (peltatum spot London, 290s, per cwt. Indian (emoc from 305s, to 315s, spot; forward, 290 to 300s, per cwt., c.i.f.

PSYLLIUM SEED.—French black is quot at 2s. per lb., duty paid; Indi (ispaghula), 120s. per cwt., spot.
PYRETHRUM.—Kenya flowers (1.3 p

cent. pyrethrins) are quoted at £153 p ton, f.o.b. Mombasa.

QUASSIA.—Supplies on the spot are offeing at 35s, per cwt.

QUILLAIA.—Natural bark is in short suply on spot; prices are from 92s. 6d. 95s. per cwt.; cut bark, 125s. per cw crushed, 120s.

QUINCE SEED.—A dull market. Cape spot is quoted from 3s. 9d. per lb.

RHATANY.—Quiet. Spot quotations a unchanged at 9d. per lb.

HUBARB.—A good call for fine-quality nese rough-round for export; fours pinky fracture is quoted at 4s. 9d. s. per lb., duty paid, spot. No. 2 availat 3s. 6d. per lb.; wormy material,

ANDARAC. — Spot quotations are 9d. per lb.; afloat, 5s. 3d., c.i.f.

ARSAPARILLA. — Jamaica native red, the spot, is offered at 2s. per lb. maica" grey, in hanks, 4s. per lb.

maica" grey, in hanks, 4s. per 1b. EEDS.—Cyprus Anise is 1s. 4½d. per and Turkish, 1s. 4d. per lb., duty paid, London. Caraway.—Dutch is unged at 122s. 61. per cwt., duty paid, London. Celery.—No demand. Indian ffered at 1s. per lb., spot London or spool. Coriander.—The spot market quiet; Morocco for shipment is now ted at 27s. 6d. per cwt., c.i.f. London; spot, 35s. per cwt., duty paid, quoted. entine is easier at 30s. per cwt., duty I snot London or Liverpool. CUMIN. dependence of the safety at 30s. per cwt., duty leads to be speried at 180s. per cwt., spot don or Liverpool. Indian, offered at s. per cwt., spot London or Liverpool. L.—Indian is firm at 47s. 6d. per cwt.. London; for shipment, 42s. 6d. per cif quated Fenner Ludion is

. c.i.f., quoted. FENNEL.—Indian is hanged at 67s. 6d. per cwt., spot Lonor Liverpool. FENUGREEK.—Market is hanged. Indian is 54s. per cwt., spot don or Liverpool; Morocco is 53s. 6d. cwt., duty paid, spot London.

ENEGA.—Supplies of root on the spot

ENEGA.—Supplies of root on the spot offerel at 7s. 6d. per lb.

ENNA.—Tinnevelly leaves, spot, No. 1, to 10d. per lb.; No. 2, 7d. to 7½d.; No. 4¾d. to 5½d.; Tinnevelly pods, handed, 8½d. to 1s. 4d.; manufacturing, 4½d. id. Alexandrian pods, han 1-picked, spot, at 45. 6d. to 56. de according to applity seller; medium, 2s. 9d.; according to quality seller; medium, 2s. 9d.; manufacturing, n 1s. to 1s. 9d. per lb.; Alexandrian es, f.a.q., 1s. 2d.

HELLAC.—Price of F.O.T.N., pure, is s. and F.O. Standard 1, 350s.; fine age is 370s. to 400s. per cwt., all ex

idon warehouse.

TROPHANTHUS.—Steady. Kombé, 100 per t., spot, is quoted at 11s. 6d. per lb. TYRAX.—Easier. Supplies on the spot

offering at around 6s. to 6s. 3d. per duty paid.

ONKA BEANS.—Spot quotations are at 9d. to 6s. per lb. for Pará blacks, and

for Trinidad frosted.

Selected white, RAGACANTH.—Steady. per cwt.; other white grades, from £55 £85; pale leaf, £35 to £40; amber, £20 £27; red, £14; hoggy, about £10 10s.

URMERIC.-Madras finger is quoted at s. per cwt., spot; shipment, March-il, 87s. 6d., c.i.f.; April-May, 85s., c.i.f. JVÆ URSI.—Current prices are about . per cwt., spot.

VALERIAN. — Belgian root on spot is red at about 130s. per cwt.; cut, 165s.

Essential and Expressed Oils

Anise.—Steady. Chinese star, in drums, quoted at 4s. 9d. to 5s. per lb.; 5s. 6d. per lb. for tins in cases; near afloat, 4s. 9d., c.i.f.; for shipment, 4s. 8d., c.i.f.

APRICOT KERNEL.—Spot quotations are from 5s. 3d. to 5s. 6d. per lb.

CITRONELLA. — Ceylon is offering around 3s. 11d. to 4s. per lb., spot; forward, 3s. 6d., c.if. Java is firm at 9s. 3d. per lb., spot; shipment from origin, 7s. 9d. per lb., c.i.f., quoted; from Holland, 8s., c.i.f.

CORIANDER.—English-distilled is quoted at about 250s. to 280s. per lb.

EUCALYPTUS. - The market continues weak in the absence of any appreciable inquiry. Spot quotations for 70-75 per cent. (B.P.) are from 2s. 9d. to 3s. per lb. foc drums, and up to 3s. 6d. for smaller quantities; shipment, 2s. 9d., c.i.f.

GERANIUM.—Bourbon on spot is quoted at from 52s. 6d. per lb. upwards; African

is offered at about 60s. per lb.

NUTMEG.—Prices of English-distilled oil are at 36s. to 37s. 6d. per lb.

Peppermint.—English-distilled, "Mitch-' oil is offered at around 225s. per lb.

Synthetics and Isolates

QUOTATIONS are per lb. and vary according to

grade, quantity and seller.

ACETOPHENONE.—10s. 6d. AMYL ACETATE. 28. 6d. Amyl benzoate.—5s. 3d. to 6s. Amyl putyrate.—5s. 6d. to 6s. 6d. Amyl phenylage-tate.—9s. 3d. to 10s. 6d. Amyl salicylate.—3s. 3d. to 4s. 6d. Amyl cinnamic aldehyde.— 13s. 6d. to 17s. 6d. ANETHOLE.—10s. 6d. to 12s. 6d. Anisic alcohol.—65s. to 67s. 6d. Anisic alde-HYDE.—Ex paracresol, 19s. to 20s.; perfumery grade, 21s. to 22s. 6d.

BENZALDEHYDE.—B.P.C., 4s. to 5s. BENZOPHEN-NE.—10s. 6d. to 12s. BENZYL ALCOHOL.—Per-ONE.—10s. 6d. to 12s. fumers', 3s. to 4s. Benzyl Acetate.—3s. to 4s. Benzyl benzoate.—Perfumers' 4s. 9d. to 6s. Ben-ZYL CINNAMATE.—12s. 6d. BENZYL ISOEUGENOL.— 32s. 6d. to 35s. BENZYL PROPIONATE.—5s. 6d. to 6s, 6d. BENZYL SALICYLATE.—6s. 6d. to 7s. 6d. BENZYL SUCCINATE.—13s. to 14s. BENZYLIDENE ACETONE.—15s. to 17s. BORNEOL.—Recrystallised, 10s. BORNYL ACETATE.—5s. 6d. to 7s. 6d. BROMSTYROL.—32s. 6d. to 34s. BUTYRIC ACID.—5s. to 6s. 6d. CINNAMIC ALCOHOL.—17s. 6d. to 18s. 6d. CINNAMIC ALDEHYDE.—6s. 6d. to 7s. 6d. CINNAMYL

ACETATE.-22S. 6d. to 25S. CINNAMYL BUTYRATE.-27s. 6d. to 30s. CITRAL.—15s. to 27s. 6d. CITRON-ELLAL.—25s. to 27s. 6d. CITRONELLOL.—Ex Ceylon, 22s. to 25s.; ex Java, 23s. to 26s. Coumarin.— 17s. 6d. to 19s. 6d.

DIETHYL PHTHALATE.—2s. to 2s. 6d. DIMETHYL BENZYL CARBINOL.—50s. DIMETHYL HYDROQUINONE. -37s. 6d. to 40s. Diphenyl methane.—6s. 6d. to 7s. Diphenyl oxide.—5s. 6d.

ETHYL BENZOATE.-4s. 9d. to 6s. ETHYL BUTY-RATE.—6s. to 7s. ETHYL CINNAMATE.—12s. 6d. to 13s. ETHYL CENANTHATE.-18s. 6d. to 20s. ETHYL SALICYLATE.—4s. to 5s. ETHYL VANILLIN.—55s. EUCALYPTOL.—8s. 3d. to 9s. EUGENOL.—14s. to 16s.

NEW BOOKS

Company Finance for Everyman.— Lionel Mundy, O.B.E. $7\frac{1}{2}$ in. by 5 in. Pp. 84. 4s. Pen-in-Hand Publishing Co., Ltd., St. Michael's Street, Oxford. This little book, designed primarily for laymen, will also be of service to accountancy students and investors. It provides instruction in simple language in the reading of balance sheets and company accounts in the more detailed form in which they have appeared since the Companies Act, 1948, came into force.

A Catalogue of Insecticides and Fungicides.—D. E. H. Frear, Ph.D. 10½ in. x 8 in. Vol. I, pp. 203. 39s. Vol. II, pp. 153. 33s. In Great Britain, William Dawson & Sons, Ltd., 10 Macklin Street, London, W.C.2. In a war-time effort to find new insecticides and fungicides workers at Pennsylvania Agricultural Experimental Station, U.S.A., searched the literature and appealed for unpublished data. As a result, they collected information on some 10,000 active compounds which are listed and classified chemically in these volumes. The author (a member of the chemical codification subcommittee of the American Research Council) codes the compounds numerically according to the system used by the American Chemical Society, and gives them in numerical order. Each volume includes an explanation of the Society's system of nomenclature, and the second volume includes an alphabetical index of the names of all the compounds. Condensed information is given on toxicity, susceptible insects, practical concentrations, etc. The books are bound in thin card and form volumes VII and VIII of "Annales Cryptogamici et Phytopathologici" (editor. F. Verdoorn). A few copies of a moroccobound and interleaved book containing both volumes are being prepared.

Nomenclature of Disease. -Seventh edition. 9½ in. x 6 in. Pp. xiv+38;. 8s. 6d. H.M. Stationery Office, York House, Kingsway, London, W.C.2. The first edition of this manual was published in 1869, the sixth in 1931. Revision of the present edition was completed in January 1946. The revising committee, nominated by the president of the Royal College of Physicians, represented many medical authorities, and enlisted the help of several specialists. Its chairman was Professor Henry Cohen. Consideration was given to the possibility of adopting the "Standard Nomenclature of Disease" of

the American Medical Association, but, reasons given, the committee decided effect a compromise while adhering "v closely in some respects" to the American list. The names of the contributors are guarantee that the list is authoritative. I general arrangement of sections is: (1) etiological classification; (2) disease of body as a whole; (3-14) diseases of variable parts of the body; (15) eponyms. The la named section comprises diseases nam after (a) observers, (b) localities, (c) oc pations, with the addition of (d) St. A thony's fire and St. Vitus' dance. Ov lapping between the first of these section and the remainder has been avoided much as possible. Synonyms have been cluded only where alternative names significantly different and widely us Pharmacists and bacteriologists will fithe lists of "higher plant or animal pa sites" and of poisons of special interest

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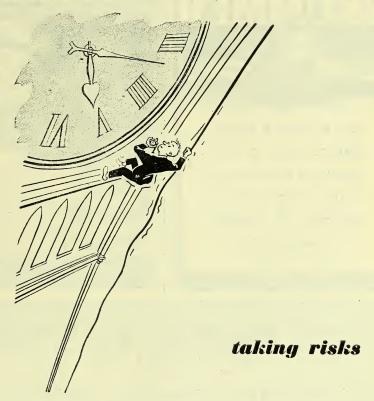
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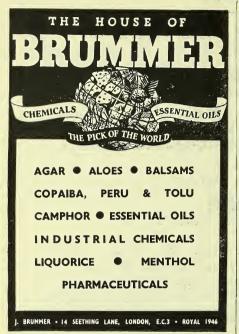
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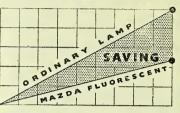
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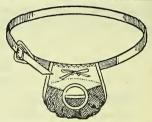
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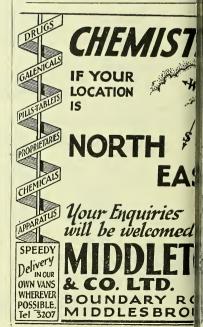


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